

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74390

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

West Point Unit

8. Lease Name and Well No.

West Point Federal S-7-9-16

9. API Well No.

43-013-33927

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 7, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SE/SE 672' FSL 641' FEL

At proposed prod. zone 1330' FSL 1370' FEL

Bottom hole? NW SE?

14. Distance in miles and direction from nearest town or post office\*

Approximately 15.1 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 3970' f/lse, 3970' f/unit

16. No. of Acres in lease

2037.19

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.

Approx. 1380'

19. Proposed Depth

6375'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

6001' GL

22. Approximate date work will start\*

2 nd Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

3/7/08

Title

Regulatory Specialist

Approved by (Signature)

BRADLEY G. HILL

Name (Printed/Typed)

BRADLEY G. HILL  
Office  
ENVIRONMENTAL MANAGER

Date

05-19-08

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Surf  
Federal Approval of this  
Action is Necessary

572149X  
4432334Y  
40.040042  
-110.154299

BHL 571924X  
4432534Y  
40.041802  
-110.156911

RECEIVED

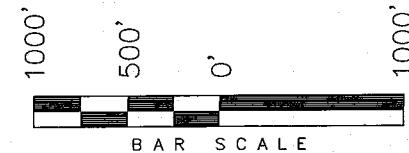
MAR 14 2008

DIV. OF OIL, GAS & MINING

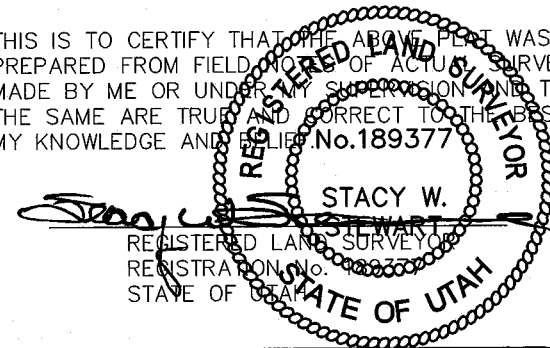
# T9S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WEST POINT S-7-9-16,  
LOCATED AS SHOWN IN THE SE 1/4 SE  
1/4 OF SECTION 7, T9S, R16E, S.L.B.&M.  
DUCHESNE COUNTY, UTAH.

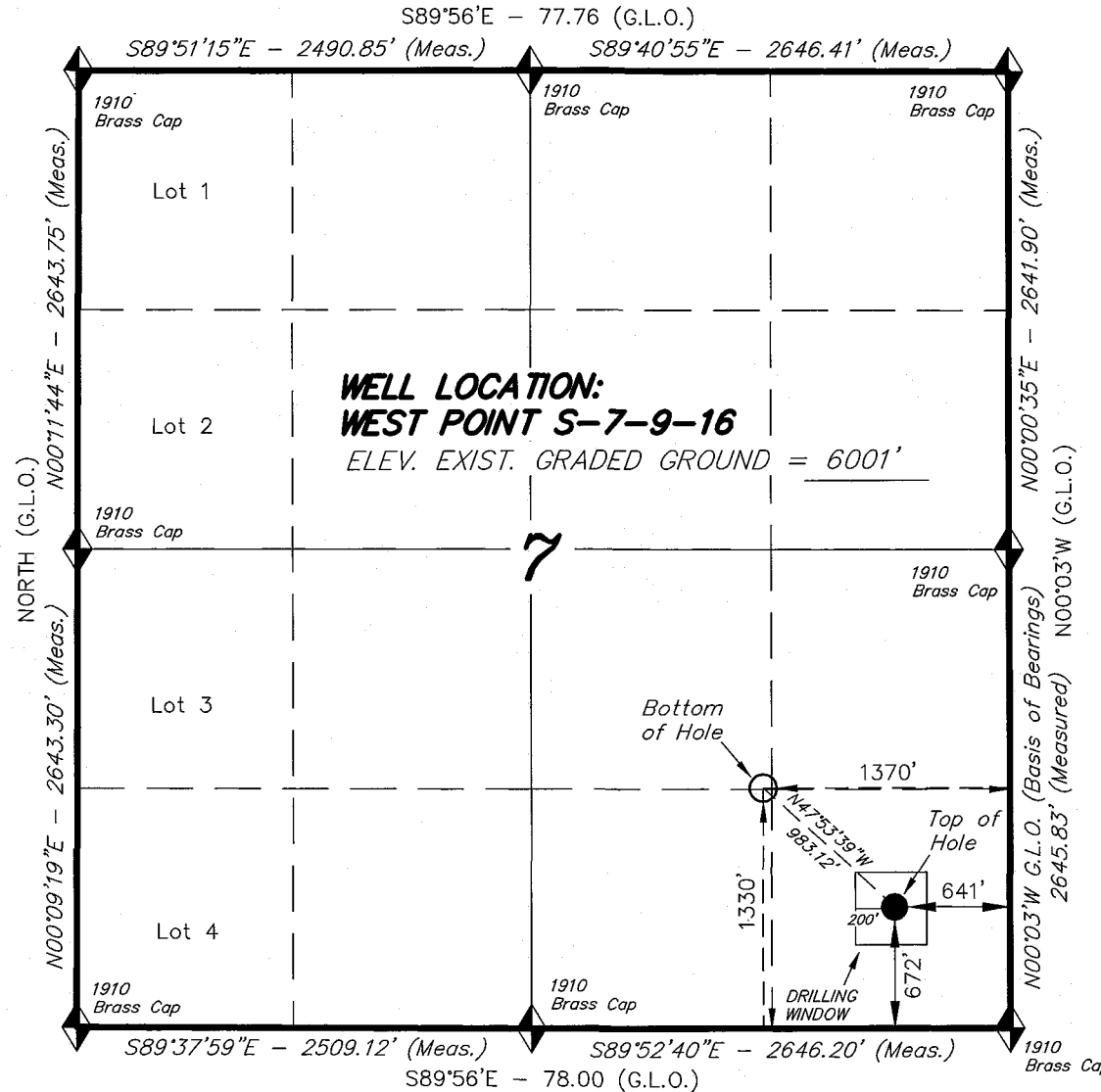


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 12-19-07	SURVEYED BY: T.H.
DATE DRAWN: 12-26-07	DRAWN BY: F.T.M.
REVISED: 02-11-08 L.C.S.	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

**WEST POINT S-7-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 24.06"  
LONGITUDE = 110° 09' 17.74"

**NEWFIELD PRODUCTION COMPANY  
WEST POINT FEDERAL #S-7-9-16  
AT SURFACE: SE/SE SECTION 7, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1663'
Green River	1663'
Wasatch	6375'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1663' – 6375' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
WEST POINT FEDERAL #S-7-9-16  
AT SURFACE: SE/SE SECTION 7, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site West Point Federal #S-6-9-16 located in the SE 1/4 SE 1/4 Section 6, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 11.4 miles  $\pm$  to it's junction with an existing dirt road to the southeast; proceed southeasterly - 0.3 miles  $\pm$  to it's junction with an existing road to the north; proceed northerly - 0.3 miles  $\pm$  to it's junction with the beginning of the access road to the existing Nine Mile 16-7-9-16 well loaction.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Nine Mile 16-7-9-16 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Nine Mile 16-7-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed West Point Federal S-6-9-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed West Point Federal S-6-9-16 will be drilled off of the existing Nine Mile 16-7-9-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 130' of disturbed area be granted in Lease UTU-74390 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 130' of proposed water injection pipeline will be forthcoming.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and Feb. 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a

producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

#### **Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

#### **Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrel Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.25 lbs/acre

#### **Details of the On-Site Inspection**

The proposed West Point Federal S-6-9-16 was on-sited on 1/15/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management).. Weather conditions were clear and ground covered by snow.

#### **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

##### **Representative**

Name: Kevan Stevens  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

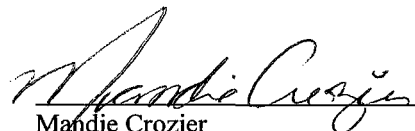
##### **Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #S-6-9-16 Section 6, Township 9S, Range 16E: Lease UTU-74390 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

3/7/08

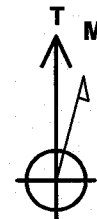
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC  
Site: West Point  
Well: West Point S-7-9-16  
Wellbore: OH  
Design: Plan #1

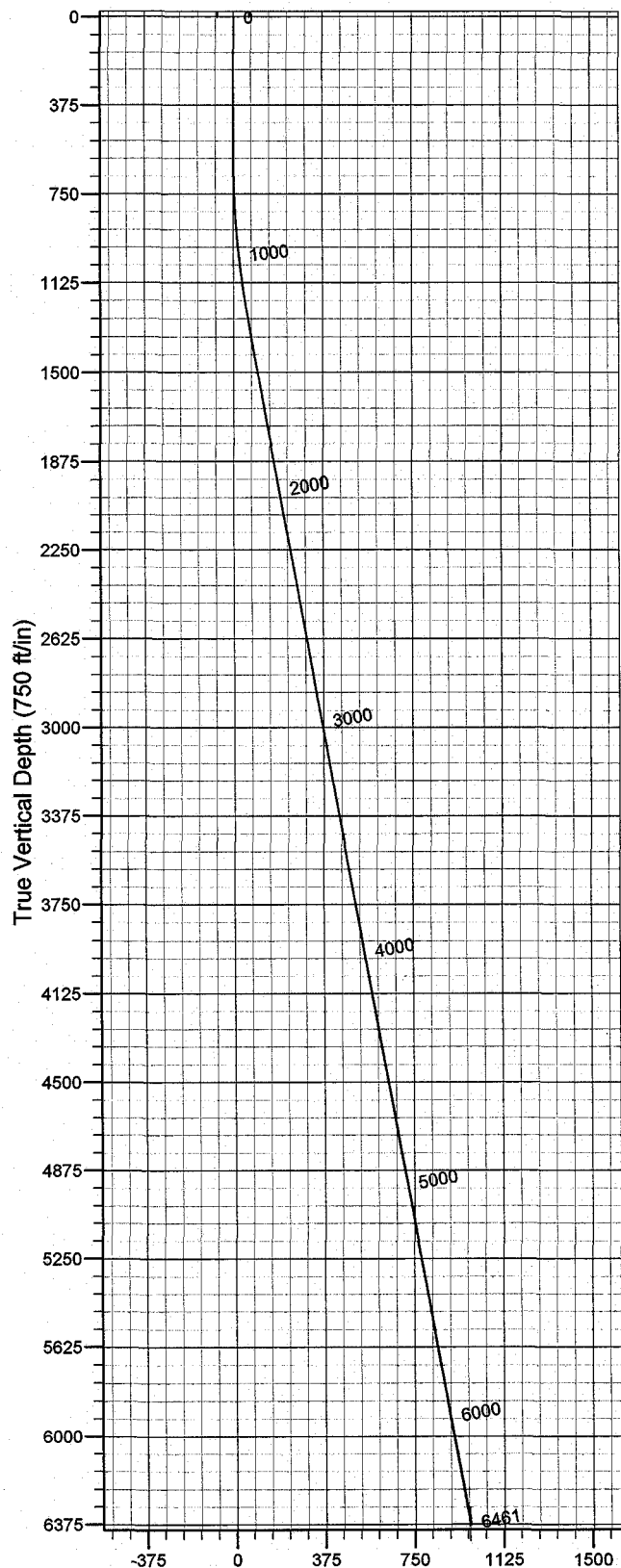


Azimuths to True North  
Magnetic North: 11.76°

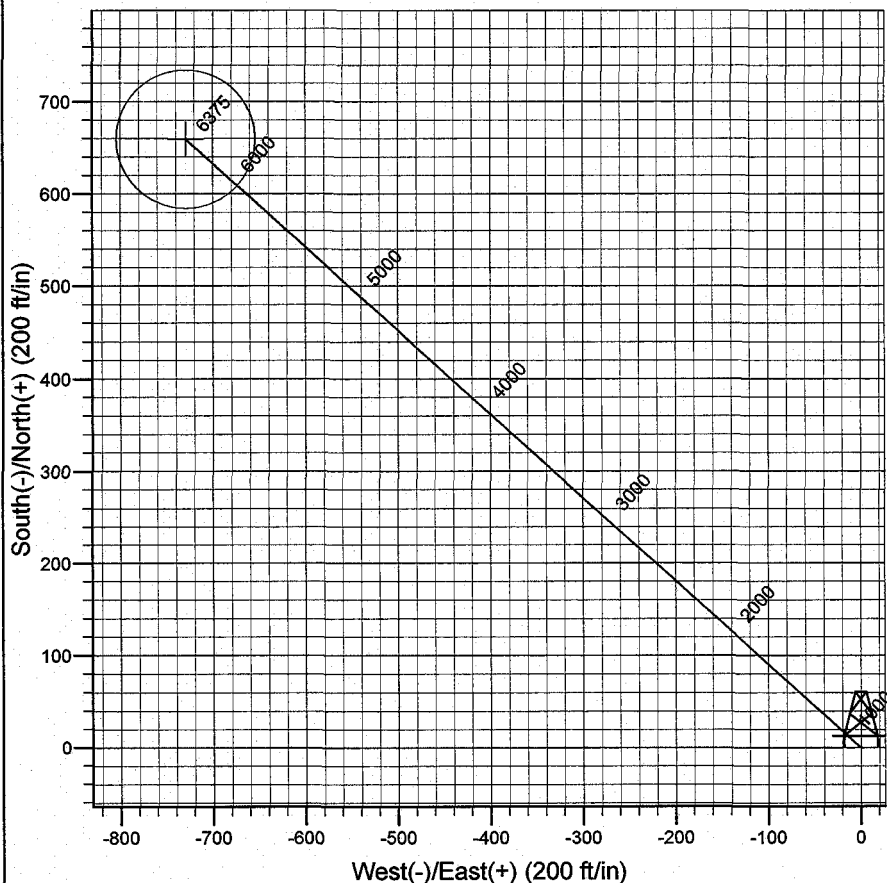
Magnetic Field  
Strength: 52602.5nT  
Dip Angle: 65.86°  
Date: 2008-02-17  
Model: IGRF2005-10

WELL DETAILS: West Point S-7-9-16

GL 6001' & RKB 12' @ 6013.00ft (NDSI 2) 6001.00  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.00 0.00 7186145.72 2016990.22 40° 2' 24.060 N 110° 9' 17.740 W



Vertical Section at 312.11° (750 ft/in)



Plan: Plan #1 (West Point S-7-9-16/OH)

Created By: Julie Cruse Date: 2008-02-17

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location:  
System Datum: Mean Sea Level  
Local North: True North

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
	31283.90	10.26	312.11	1280.25	40.94	-45.30	1.50	312.11	61.06	
	46461.41	10.26	312.11	6375.00	659.24	-729.34	0.00	0.00	983.12	WP S-7-9-17 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**West Point**

**West Point S-7-9-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**17 February, 2008**



# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
**Well:** West Point S-7-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well West Point S-7-9-16  
**TVD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**MD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	West Point,			
<b>Site Position:</b>		<b>Northing:</b>	7,195,374.57 ft	<b>Latitude:</b> 40° 3' 55.470 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,015,574.76 ft	<b>Longitude:</b> 110° 9' 34.160 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b> 0.86 °

<b>Well</b>	West Point S-7-9-16, 672' FSL 641' FEL Sec 7 T9S R16E			
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,186,145.72 ft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,016,990.22 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b> 6,001.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-02-17	11.76	65.86	52,602

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	312.11

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,283.90	10.26	312.11	1,280.25	40.94	-45.30	1.50	1.50	0.00	312.11	
6,461.41	10.26	312.11	6,375.00	659.24	-729.34	0.00	0.00	0.00	0.00	WP S-7-9-17 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
**Well:** West Point S-7-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well West Point S-7-9-16  
**TVD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**MD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	312.11	699.99	0.88	-0.97	1.31	1.50	1.50	0.00
800.00	3.00	312.11	799.91	3.51	-3.88	5.23	1.50	1.50	0.00
900.00	4.50	312.11	899.69	7.90	-8.74	11.77	1.50	1.50	0.00
1,000.00	6.00	312.11	999.27	14.03	-15.52	20.92	1.50	1.50	0.00
1,100.00	7.50	312.11	1,098.57	21.91	-24.24	32.68	1.50	1.50	0.00
1,200.00	9.00	312.11	1,197.54	31.53	-34.89	47.03	1.50	1.50	0.00
1,283.90	10.26	312.11	1,280.25	40.94	-45.30	61.06	1.50	1.50	0.00
1,300.00	10.26	312.11	1,296.09	42.87	-47.43	63.93	0.00	0.00	0.00
1,400.00	10.26	312.11	1,394.50	54.81	-60.64	81.74	0.00	0.00	0.00
1,500.00	10.26	312.11	1,492.90	66.75	-73.85	99.55	0.00	0.00	0.00
1,600.00	10.26	312.11	1,591.30	78.69	-87.06	117.35	0.00	0.00	0.00
1,700.00	10.26	312.11	1,689.70	90.63	-100.27	135.16	0.00	0.00	0.00
1,800.00	10.26	312.11	1,788.10	102.58	-113.48	152.97	0.00	0.00	0.00
1,900.00	10.26	312.11	1,886.50	114.52	-126.70	170.78	0.00	0.00	0.00
2,000.00	10.26	312.11	1,984.90	126.46	-139.91	188.59	0.00	0.00	0.00
2,100.00	10.26	312.11	2,083.31	138.40	-153.12	206.40	0.00	0.00	0.00
2,200.00	10.26	312.11	2,181.71	150.34	-166.33	224.21	0.00	0.00	0.00
2,300.00	10.26	312.11	2,280.11	162.29	-179.54	242.02	0.00	0.00	0.00
2,400.00	10.26	312.11	2,378.51	174.23	-192.75	259.83	0.00	0.00	0.00
2,500.00	10.26	312.11	2,476.91	186.17	-205.97	277.64	0.00	0.00	0.00
2,600.00	10.26	312.11	2,575.31	198.11	-219.18	295.44	0.00	0.00	0.00
2,700.00	10.26	312.11	2,673.71	210.05	-232.39	313.25	0.00	0.00	0.00
2,800.00	10.26	312.11	2,772.12	222.00	-245.60	331.06	0.00	0.00	0.00
2,900.00	10.26	312.11	2,870.52	233.94	-258.81	348.87	0.00	0.00	0.00
3,000.00	10.26	312.11	2,968.92	245.88	-272.02	366.68	0.00	0.00	0.00
3,100.00	10.26	312.11	3,067.32	257.82	-285.24	384.49	0.00	0.00	0.00
3,200.00	10.26	312.11	3,165.72	269.76	-298.45	402.30	0.00	0.00	0.00
3,300.00	10.26	312.11	3,264.12	281.70	-311.66	420.11	0.00	0.00	0.00
3,400.00	10.26	312.11	3,362.52	293.65	-324.87	437.92	0.00	0.00	0.00
3,500.00	10.26	312.11	3,460.93	305.59	-338.08	455.72	0.00	0.00	0.00
3,600.00	10.26	312.11	3,559.33	317.53	-351.29	473.53	0.00	0.00	0.00
3,700.00	10.26	312.11	3,657.73	329.47	-364.51	491.34	0.00	0.00	0.00
3,800.00	10.26	312.11	3,756.13	341.41	-377.72	509.15	0.00	0.00	0.00
3,900.00	10.26	312.11	3,854.53	353.36	-390.93	526.96	0.00	0.00	0.00
4,000.00	10.26	312.11	3,952.93	365.30	-404.14	544.77	0.00	0.00	0.00
4,100.00	10.26	312.11	4,051.33	377.24	-417.35	562.58	0.00	0.00	0.00
4,200.00	10.26	312.11	4,149.74	389.18	-430.56	580.39	0.00	0.00	0.00
4,300.00	10.26	312.11	4,248.14	401.12	-443.78	598.20	0.00	0.00	0.00
4,400.00	10.26	312.11	4,346.54	413.07	-456.99	616.00	0.00	0.00	0.00
4,500.00	10.26	312.11	4,444.94	425.01	-470.20	633.81	0.00	0.00	0.00
4,600.00	10.26	312.11	4,543.34	436.95	-483.41	651.62	0.00	0.00	0.00
4,700.00	10.26	312.11	4,641.74	448.89	-496.62	669.43	0.00	0.00	0.00
4,800.00	10.26	312.11	4,740.14	460.83	-509.84	687.24	0.00	0.00	0.00
4,900.00	10.26	312.11	4,838.55	472.77	-523.05	705.05	0.00	0.00	0.00
5,000.00	10.26	312.11	4,936.95	484.72	-536.26	722.86	0.00	0.00	0.00
5,100.00	10.26	312.11	5,035.35	496.66	-549.47	740.67	0.00	0.00	0.00
5,200.00	10.26	312.11	5,133.75	508.60	-562.68	758.48	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
**Well:** West Point S-7-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well West Point S-7-9-16  
**TVD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**MD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	10.26	312.11	5,232.15	520.54	-575.89	776.28	0.00	0.00	0.00
5,400.00	10.26	312.11	5,330.55	532.48	-589.11	794.09	0.00	0.00	0.00
5,500.00	10.26	312.11	5,428.95	544.43	-602.32	811.90	0.00	0.00	0.00
5,600.00	10.26	312.11	5,527.36	556.37	-615.53	829.71	0.00	0.00	0.00
5,700.00	10.26	312.11	5,625.76	568.31	-628.74	847.52	0.00	0.00	0.00
5,800.00	10.26	312.11	5,724.16	580.25	-641.95	865.33	0.00	0.00	0.00
5,900.00	10.26	312.11	5,822.56	592.19	-655.16	883.14	0.00	0.00	0.00
6,000.00	10.26	312.11	5,920.96	604.14	-668.38	900.95	0.00	0.00	0.00
6,100.00	10.26	312.11	6,019.36	616.08	-681.59	918.76	0.00	0.00	0.00
6,200.00	10.26	312.11	6,117.76	628.02	-694.80	936.57	0.00	0.00	0.00
6,300.00	10.26	312.11	6,216.17	639.96	-708.01	954.37	0.00	0.00	0.00
6,400.00	10.26	312.11	6,314.57	651.90	-721.22	972.18	0.00	0.00	0.00
6,461.41	10.26	312.11	6,375.00	659.24	-729.34	983.12	0.00	0.00	0.00

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target - Shape									
WP S-7-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,375.00	659.24	-729.34	7,186,793.91	2,016,251.06	40° 2' 30.575 N	110° 9' 27.118 W

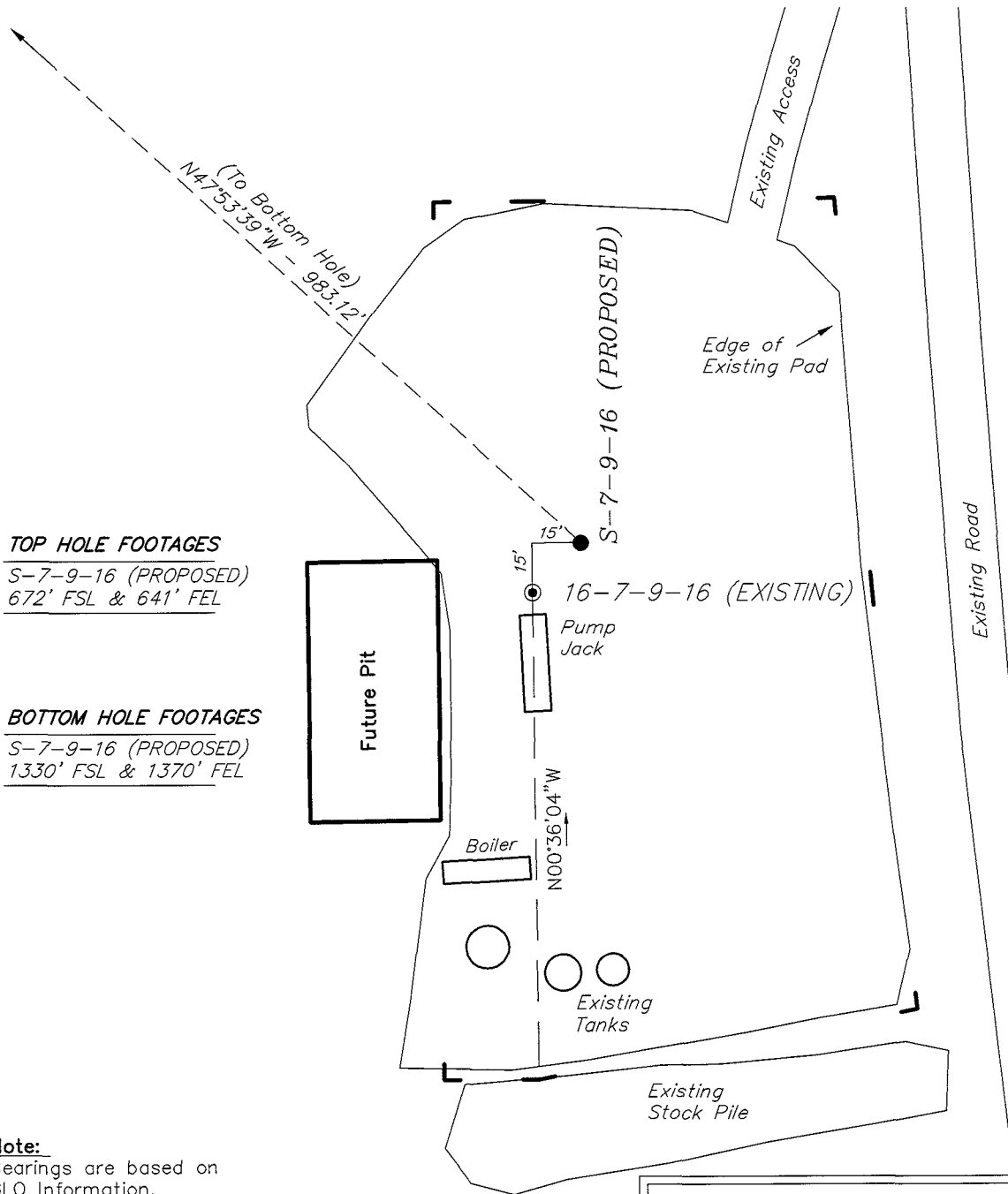
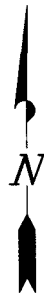
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

*WEST POINT S-7-9-16 (Proposed Well)*

WEST POINT 16-7-9-16 (Existing Well)

*Pad Location: SESE Section 7, T9S, R16E, S.L.B.&M.*



TOP HOLE FOOTAGES

S-7-9-16 (PROPOSED)  
672' FSL & 641' FEL

*BOTTOM HOLE FOOTAGES*

S-7-9-16 (PROPOSED)  
1330' FSL & 1370' FEL

**Note:**

Bearings are based on  
GLO Information.

RELATIVE COORDINATES  
From top hole to bottom hole

WELL	NORTH	EAST
S-7-9-16	659'	-729'

LATITUDE & LONGITUDE  
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
S-7-9-16	40° 02' 24.06"	110° 09' 17.74"
16-7-9-16	40° 02' 23.91"	110° 09' 17.93"

SURVEYED BY: T.H.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED: L.C.S. 02-11-08

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

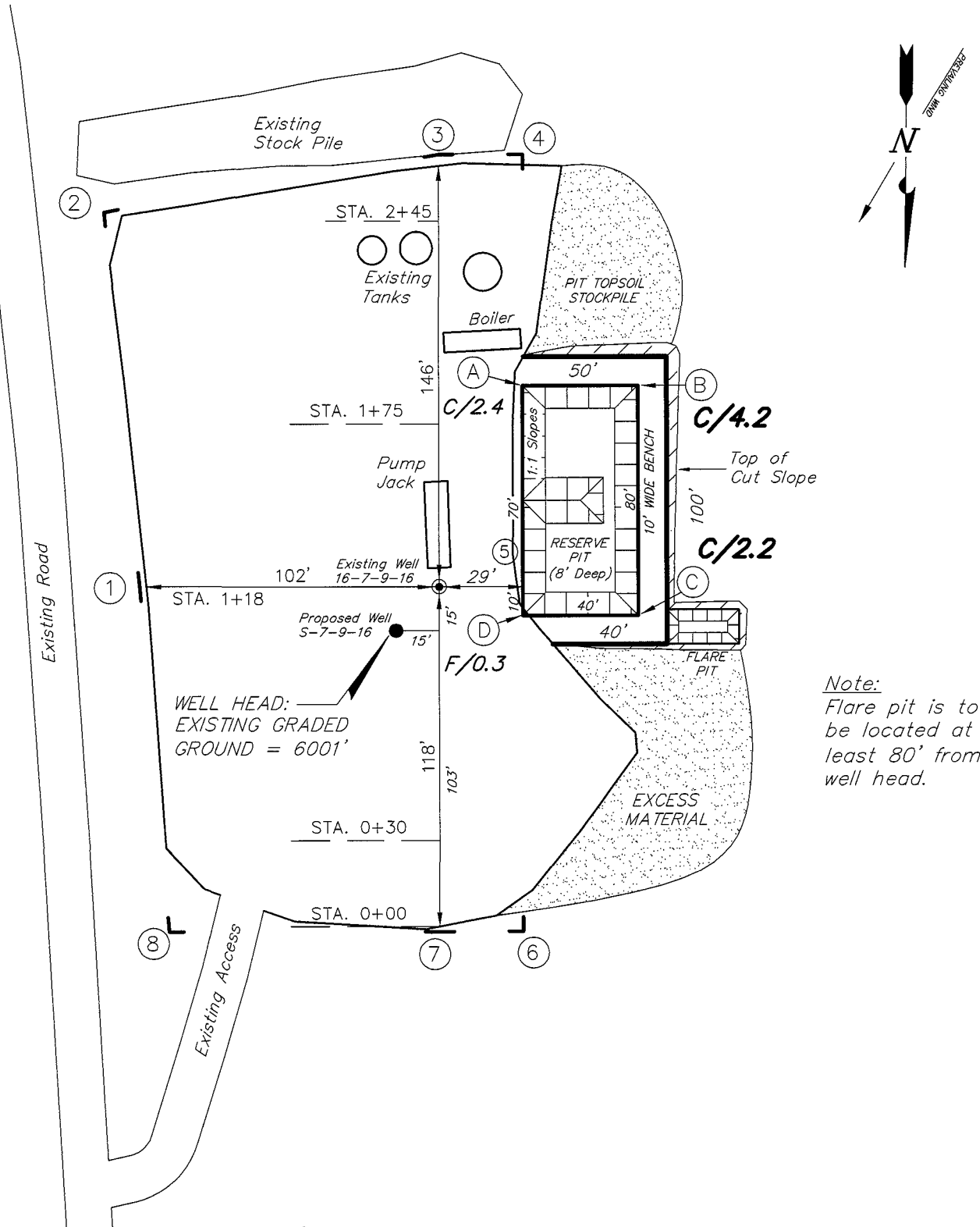
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

WEST POINT S-7-9-16 (Proposed Well)

WEST POINT 16-7-9-16 (Existing Well)

Pad Location: SESE Section 7, T9S, R16E, S.L.B.&M.



Note:  
Flare pit is to  
be located at  
least 80' from  
well head.

SURVEYED BY: D.G.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED:

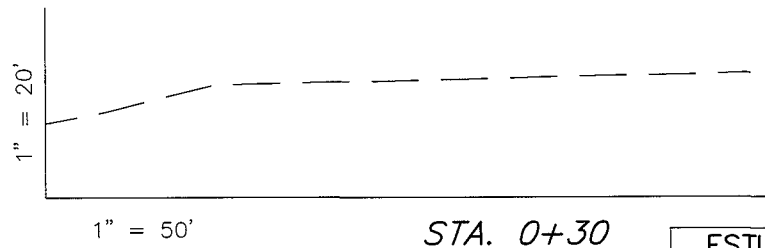
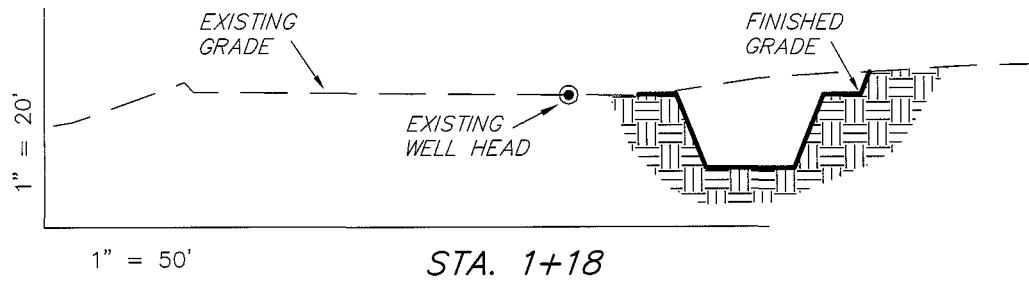
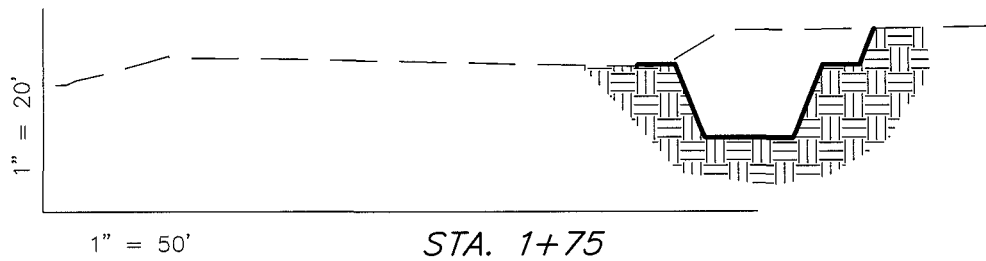
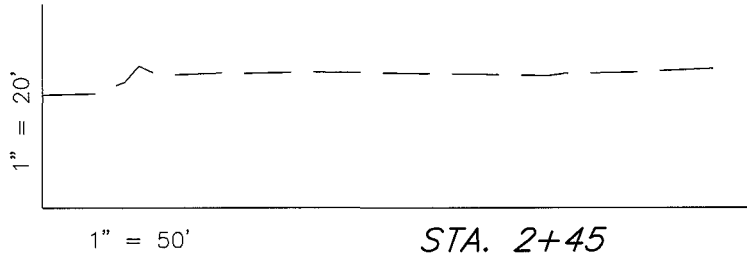
**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

WEST POINT S-7-9-16 (Proposed Well)

WEST POINT 16-7-9-16 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	540	0	Topsoil is not included in Pad Cut	540
PIT	640	0		640
TOTALS	1,180	0	130	1,180

SURVEYED BY: D.G.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED:

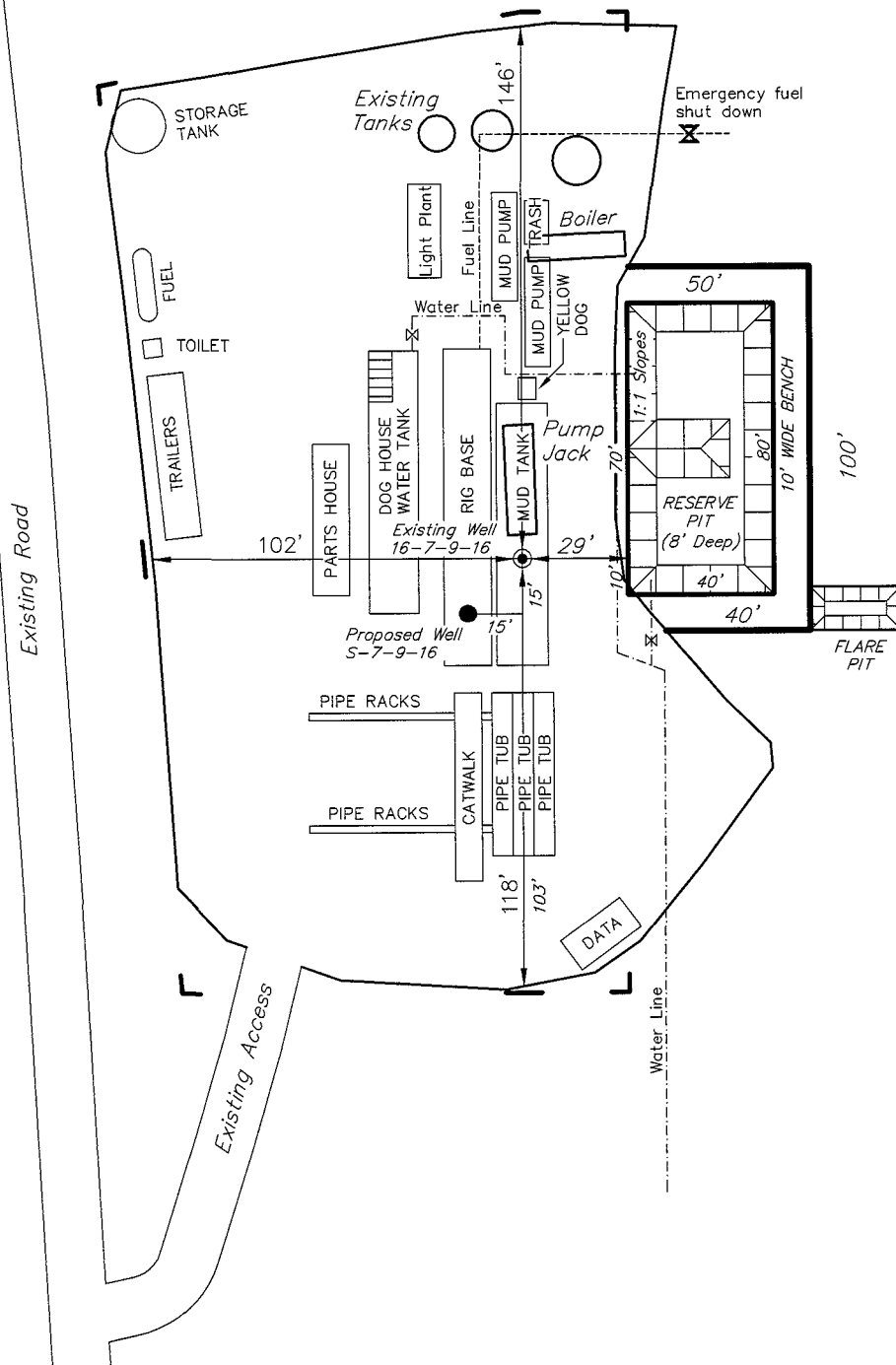
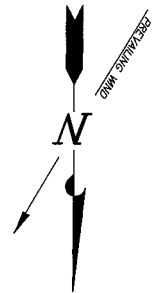
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

WEST POINT S-7-9-16 (Proposed Well)

WEST POINT 16-7-9-16 (Existing Well)



Note:

Flare pit is to be located at least 80' from well head.

SURVEYED BY: D.G.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company

## Proposed Site Facility Diagram

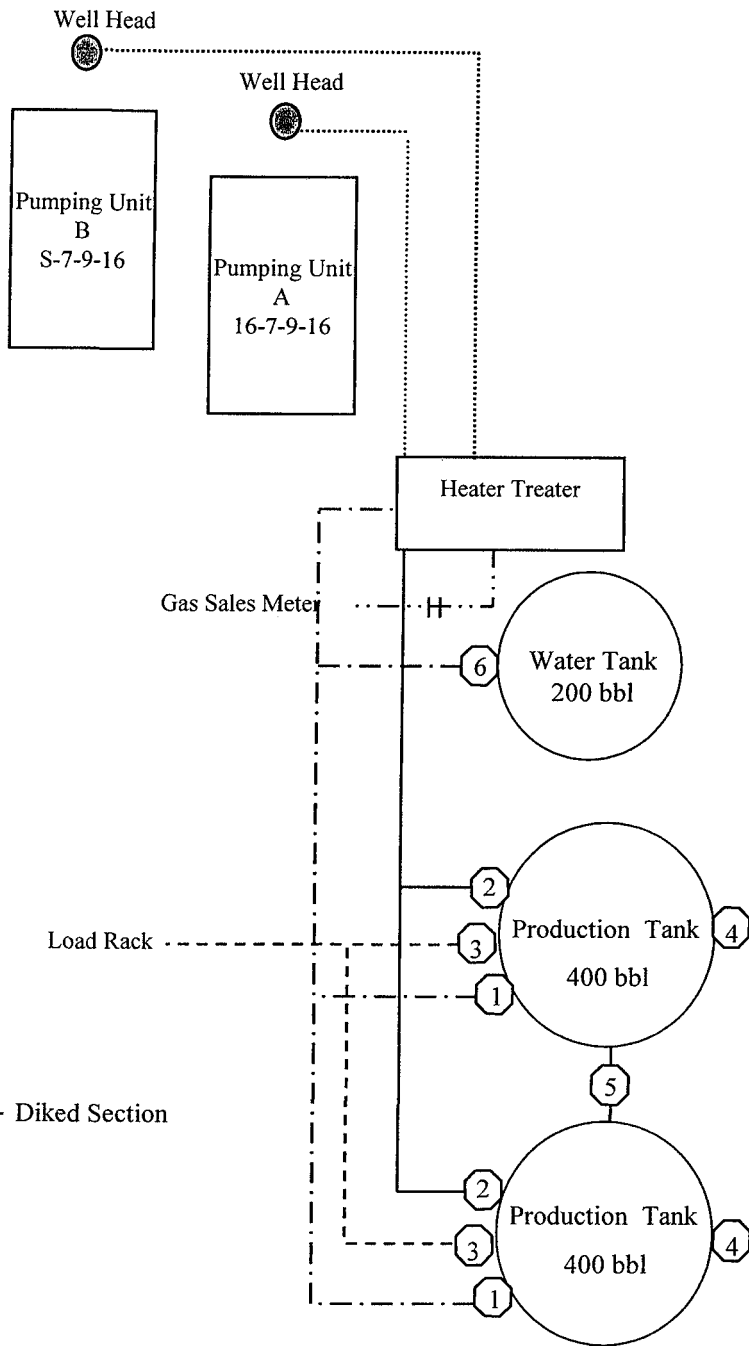
West Point Federal S-7-9-16

From the 16-7-9-16 Location

SE/SE Sec. 7 T9S, R16E

Duchesne County, Utah

UTU-74390



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

### Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

### Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

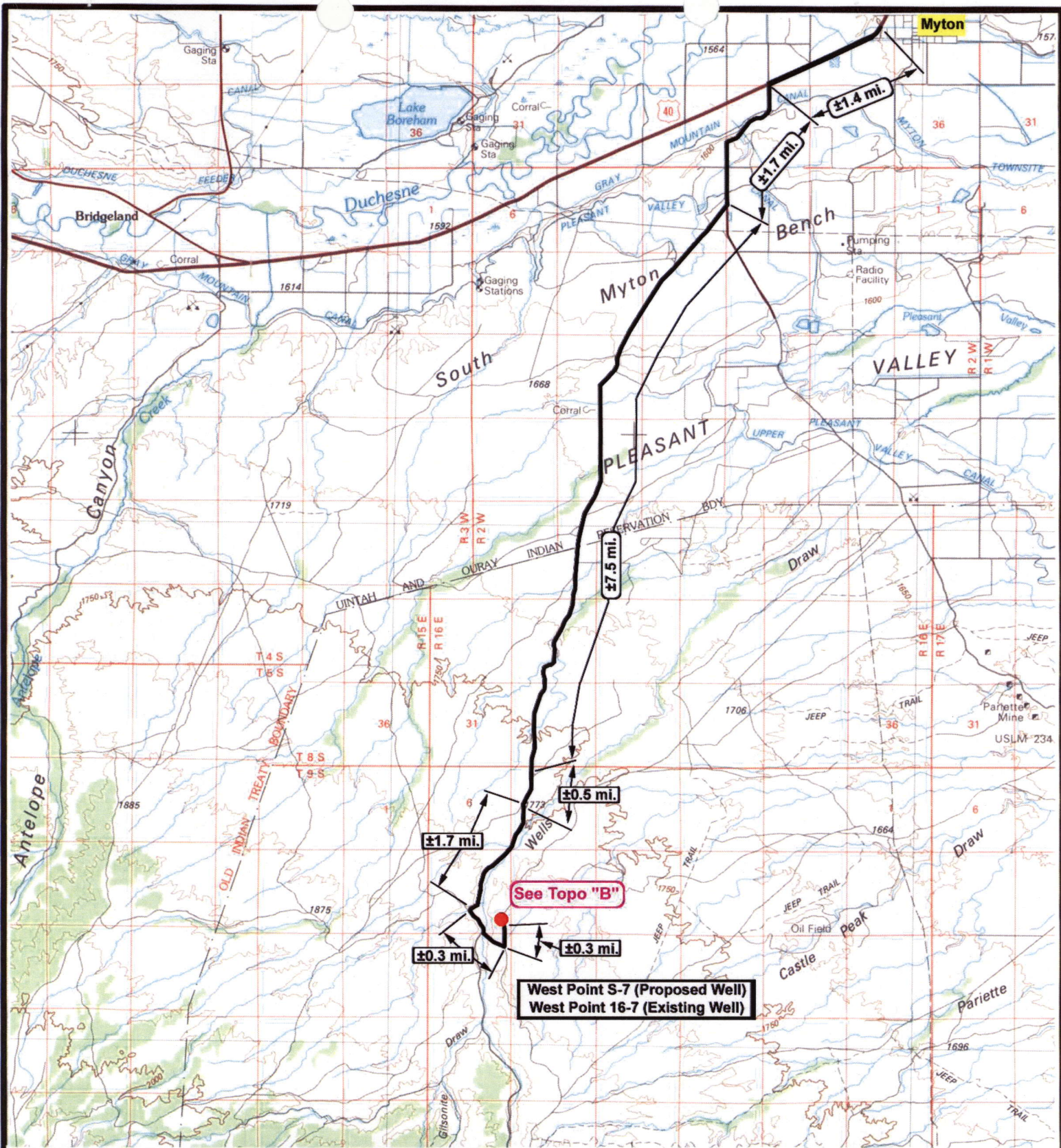
### Draining Phase:


- 1) Valves 1 and 6 open

### Legend

Emulsion Line	.....
Load Rack	-----
Water Line	- . - . - .
Gas Sales	- . - . - .
Oil Line	_____







**NEWFIELD**  
Exploration Company

**West Point S-7-9-16 (Proposed Well)**  
**West Point 16-7-9-16 (Existing Well)**  
 Pad Location: SESE SEC. 7, T9S, R16E, S.L.B.&M.





**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
 DRAWN BY: mw  
 DATE: 12-31-2007

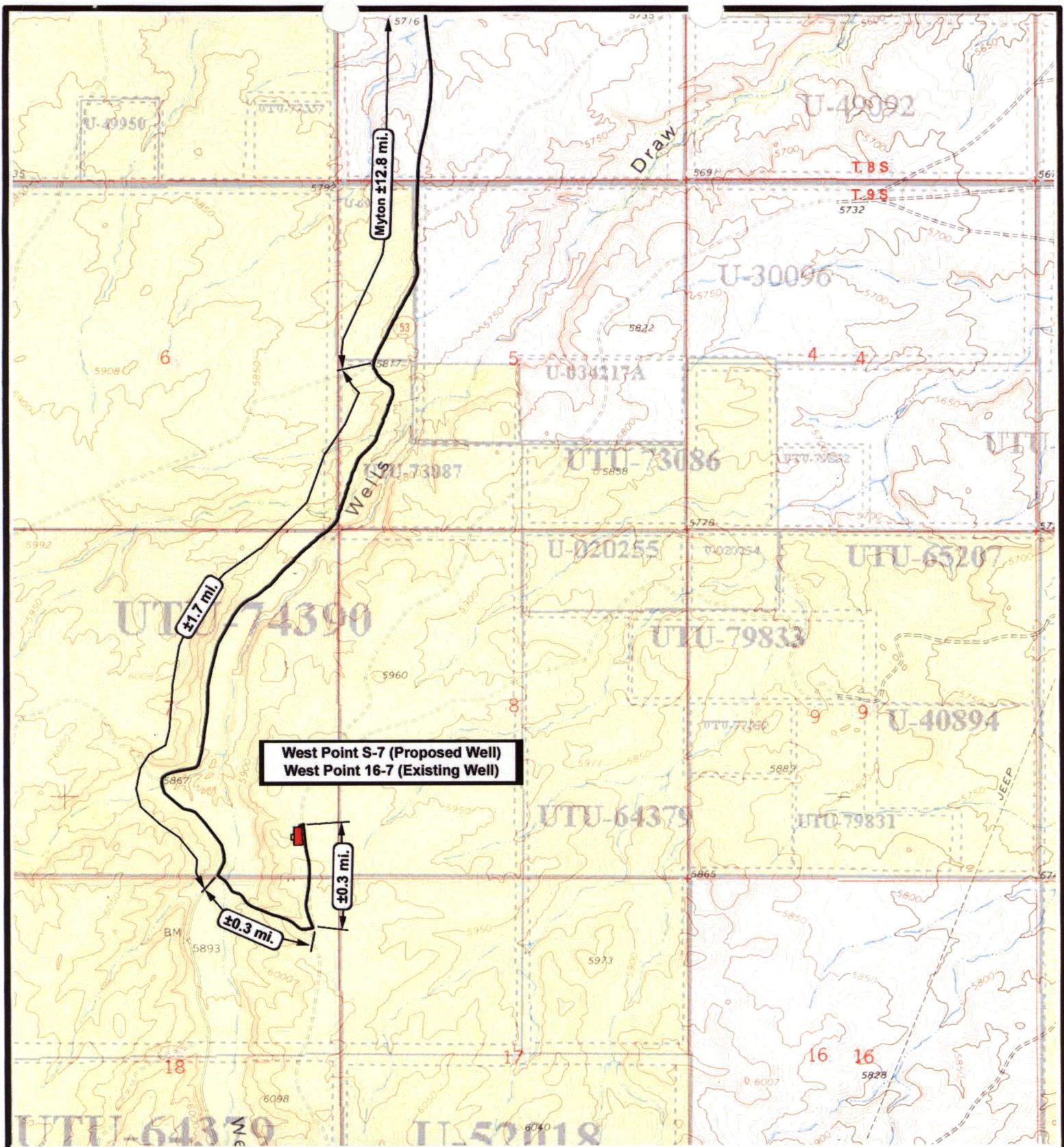
**Legend**

Existing Road






TOPOGRAPHIC MAP

"A"

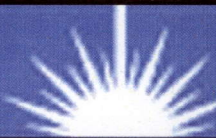
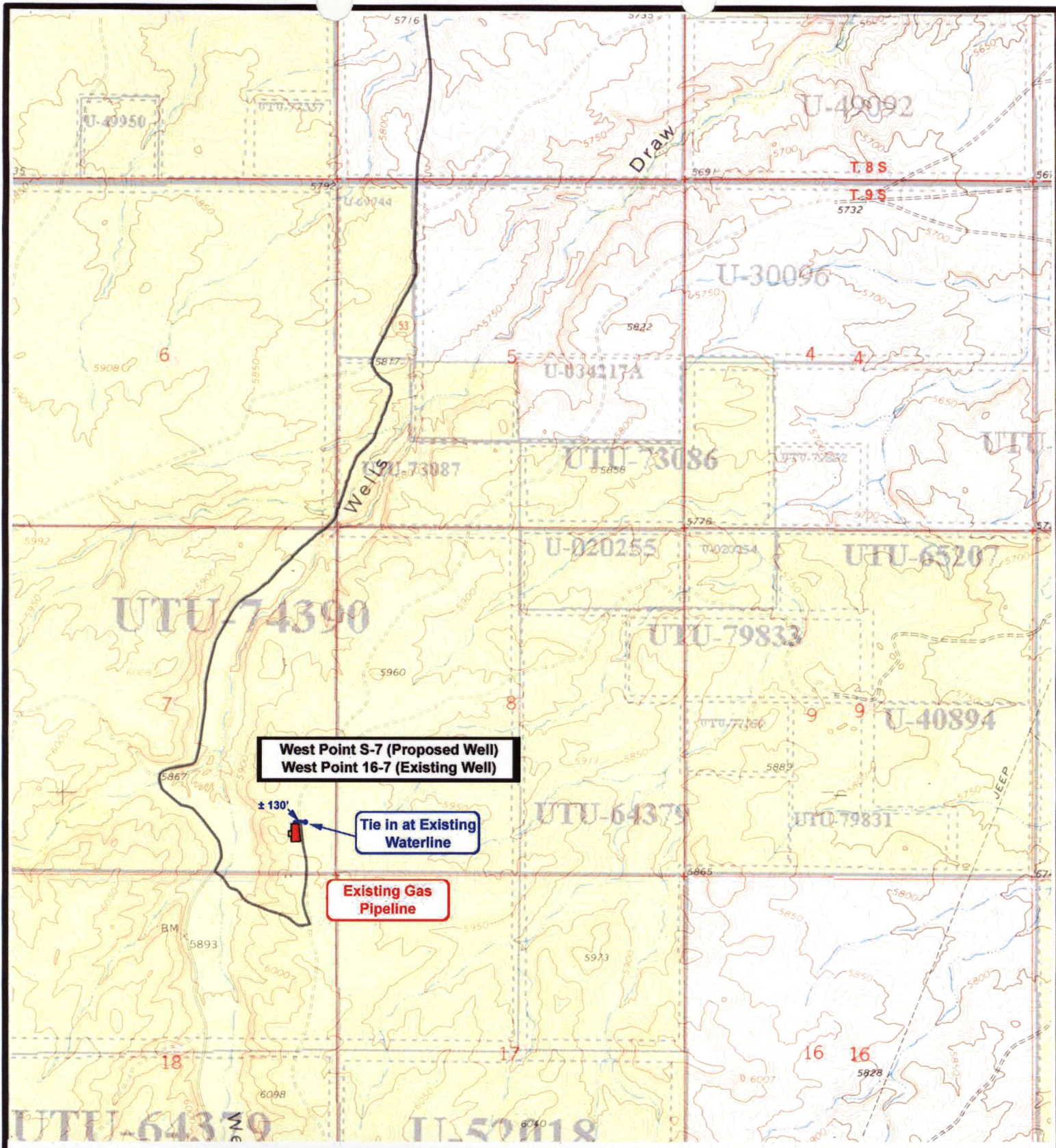




West Point S-7 (Proposed Well)  
West Point 16-7 (Existing Well)

 <p><b>NEWFIELD</b> Exploration Company</p> <p><b>West Point S-7-9-16 (Proposed Well)</b> <b>West Point 16-7-9-16 (Existing Well)</b> Pad Location: SESE SEC. 7, T9S, R16E, S.L.B.&amp;M.</p>		 <p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1" = 2000' DRAWN BY: mw DATE: 12-31-2007</p>	<p><b>Legend</b></p> <p> Existing Road</p> <p> Proposed Access</p> <p><b>TOPOGRAPHIC MAP</b></p> <p><b>"B"</b></p>





**NEWFIELD**  
Exploration Company

**West Point S-7-9-16 (Proposed Well)**  
**West Point 16-7-9-16 (Existing Well)**  
Pad Location: SESE SEC. 7, T9S, R16E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 12-31-2007

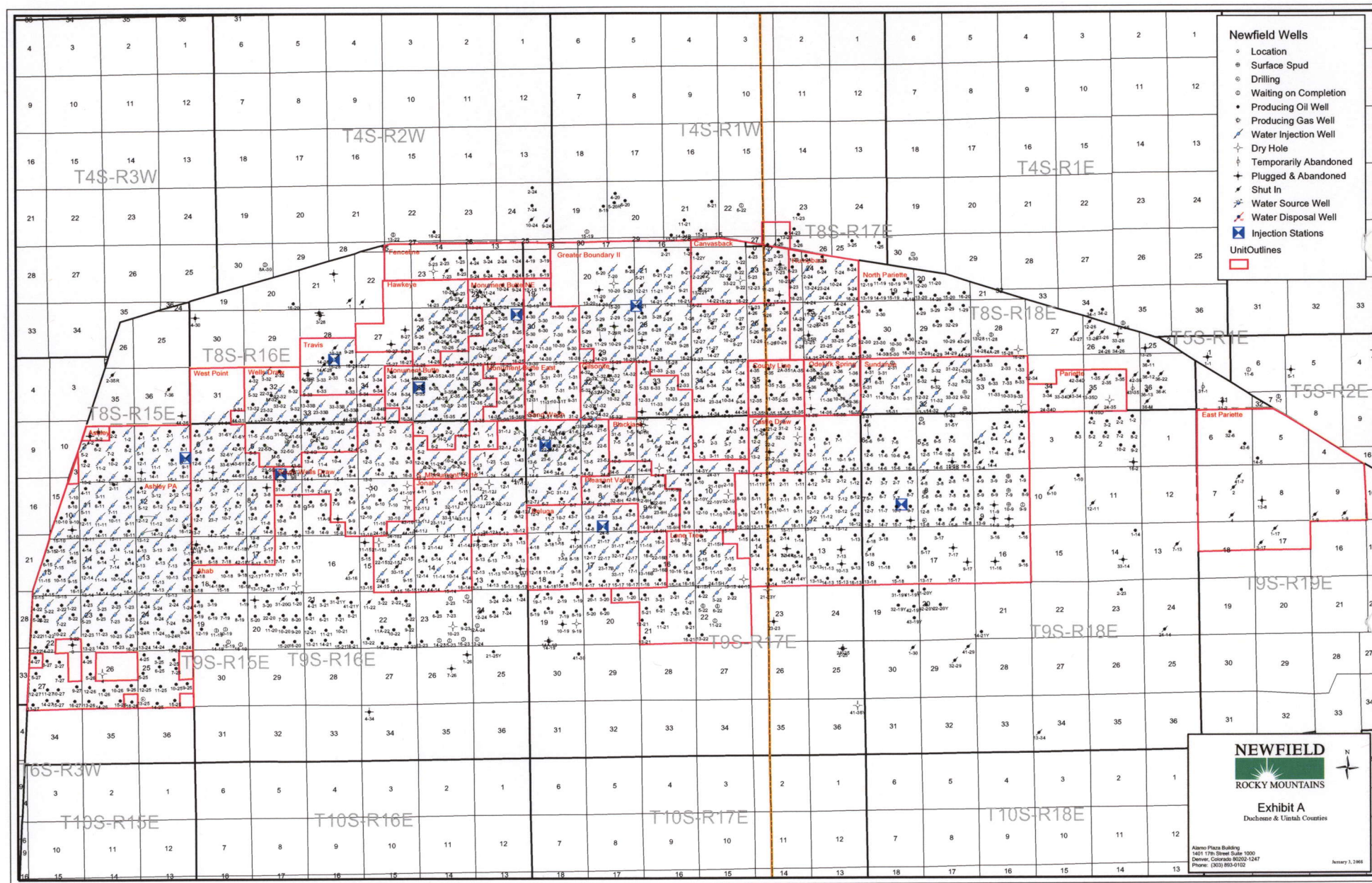
**Legend**

— Roads  
— Proposed Water Line

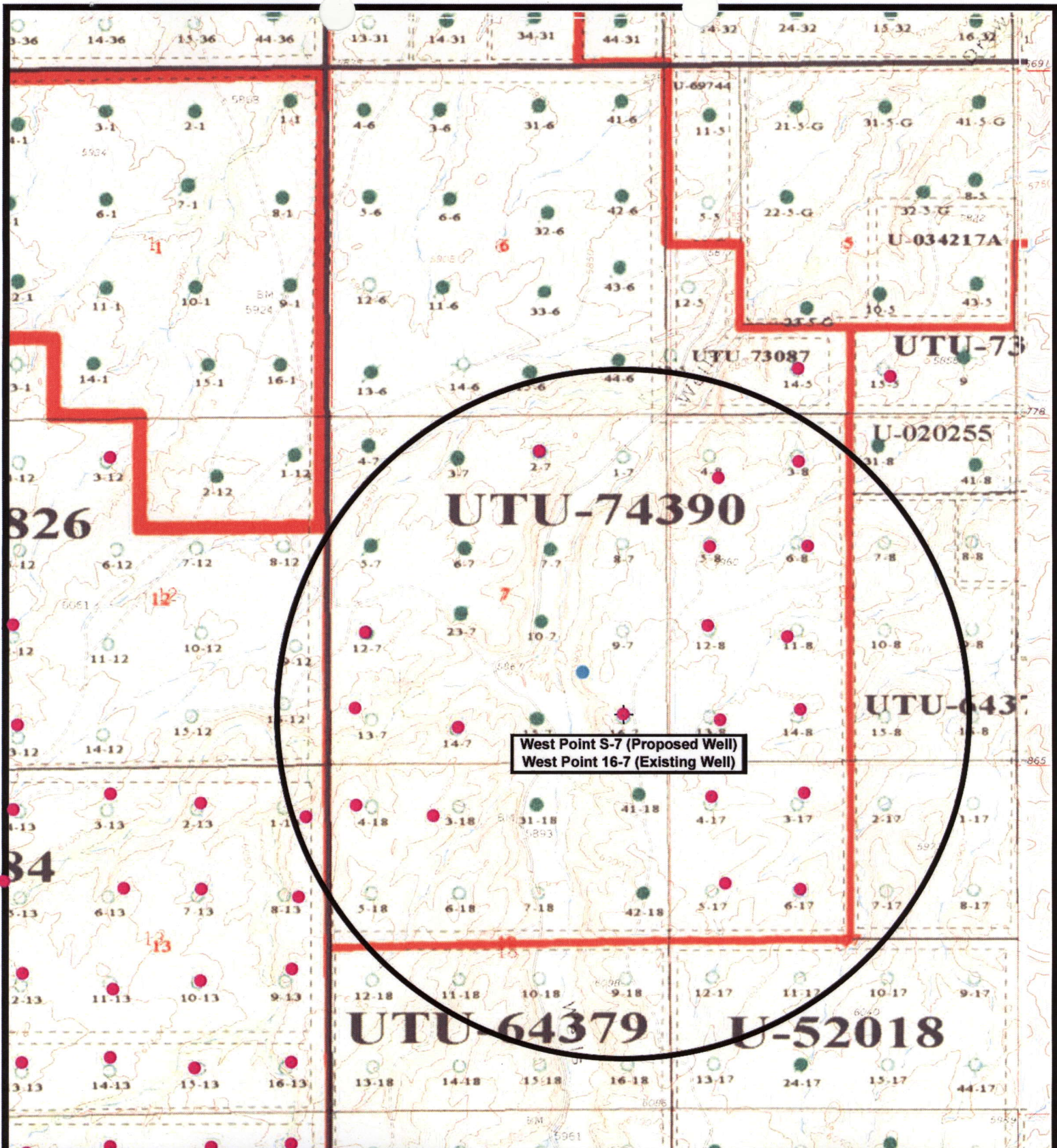
TOPOGRAPHIC MAP

**"C"**









**NEWFIELD**  
Exploration Company

**West Point S-7-9-16 (Proposed Well)**  
**West Point 16-7-9-16 (Existing Well)**  
Pad Location: SESE SEC. 7, T9S, R16E, S.L.B.&M.



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-31-2007

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

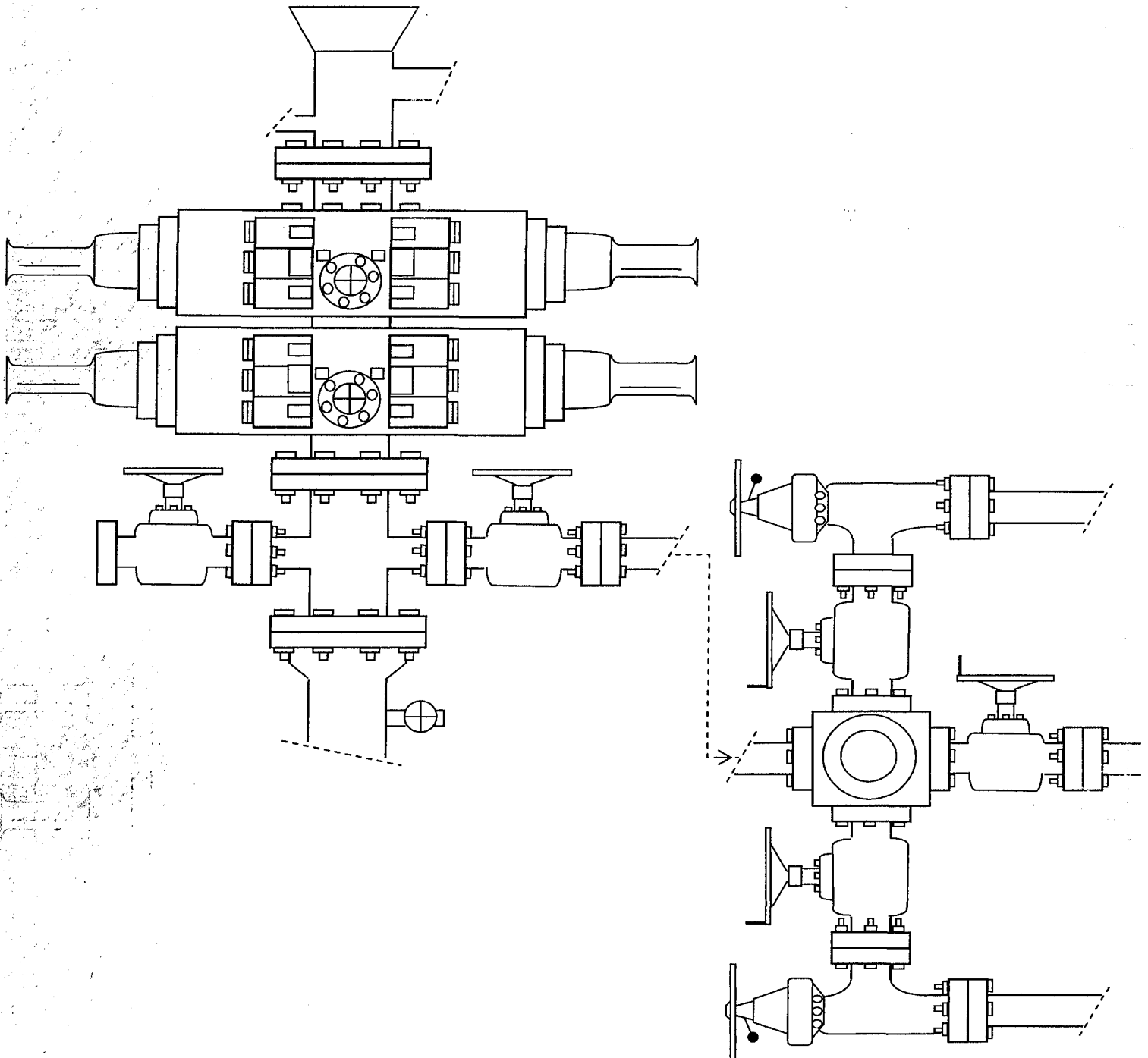


EXHIBIT C



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/14/2008

API NO. ASSIGNED: 43-013-33927

WELL NAME: W POINT FED S-7-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESE 07 090S 160E

SURFACE: 0672 FSL 0641 FEL

BOTTOM: 1330 FSL 1370 FEL

COUNTY: DUCHESNE

LATITUDE: 40.04004 LONGITUDE: -110.1543

UTM SURF EASTINGS: 572149 NORTHINGS: 4432334

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74390

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

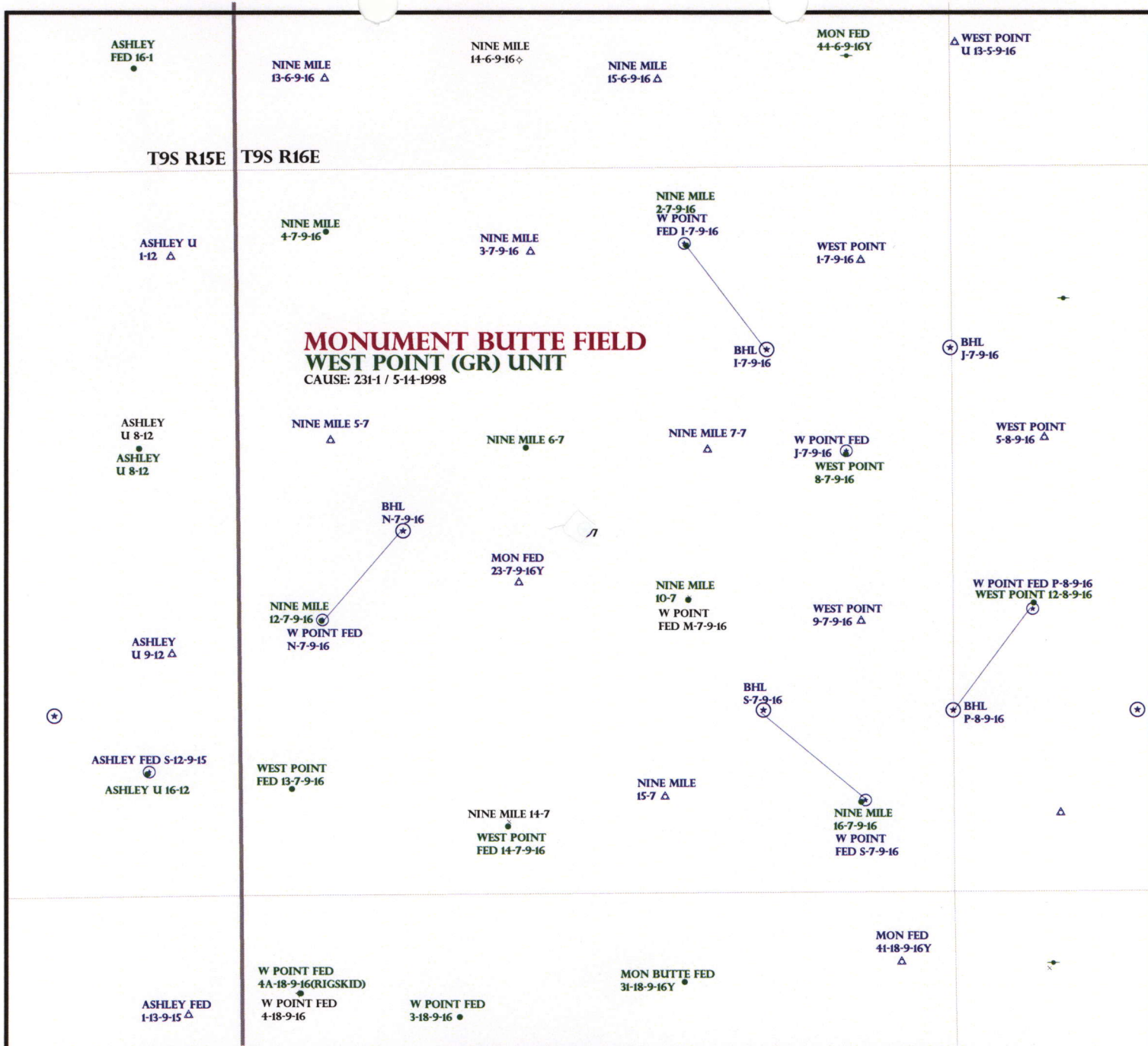
☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10136 )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

       R649-2-3.  
Unit: WEST POINT (GRRV)  
       R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
       R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 231-2  
Eff Date: 5-14-1998  
Siting: Suspends General Siting  
☒ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 7 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 231-1 / 5-14-1998

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON  
DATE: 19-MARCH-2008





March 12, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**West Point Federal S-7-9-16**  
West Point Unit  
UTU-77107X  
Surface Hole: T9S R16E, Section 7: SESE  
672' FSL 641' FEL  
Bottom Hole: T9S R16E, Section 7  
1330' FSL 1370' FEL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated March 7, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the West Point Federal Unit UTU-77107X. Newfield certifies that it is the West Point Unit Operator and all lands within 460 feet of the entire directional well bore are within the West Point Unit.

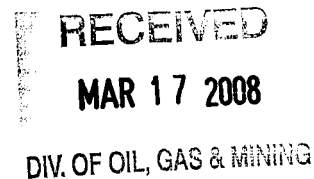
NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

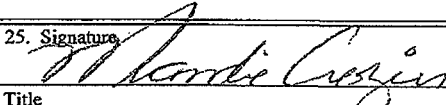
5. Lease Serial No.	UTU-74390
6. If Indian, Allottee or Tribe Name	N/A
7. If Unit or CA Agreement, Name and No.	West Point Unit
8. Lease Name and Well No.	West Point Federal S-7-9-16
9. API Well No.	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area	Sec. 7, T9S R16E
12. County or Parish	Duchesne
13. State	UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		
2. Name of Operator Newfield Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SE 672' FSL 641' FEL At proposed prod. zone 1330' FSL 1370' FEL		
14. Distance in miles and direction from nearest town or post office* Approximatley 15.1 miles southwest of Myton, Utah	12. County or Parish Duchesne	13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 3970' f/ise, 3970' f/unit	16. No. of Acres in lease 2037.19	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1380'	19. Proposed Depth 6375'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6001' GL	22. Approximate date work will start* 2 nd Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/7/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

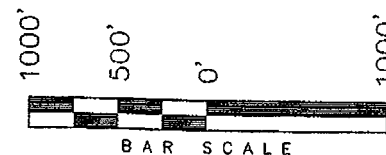
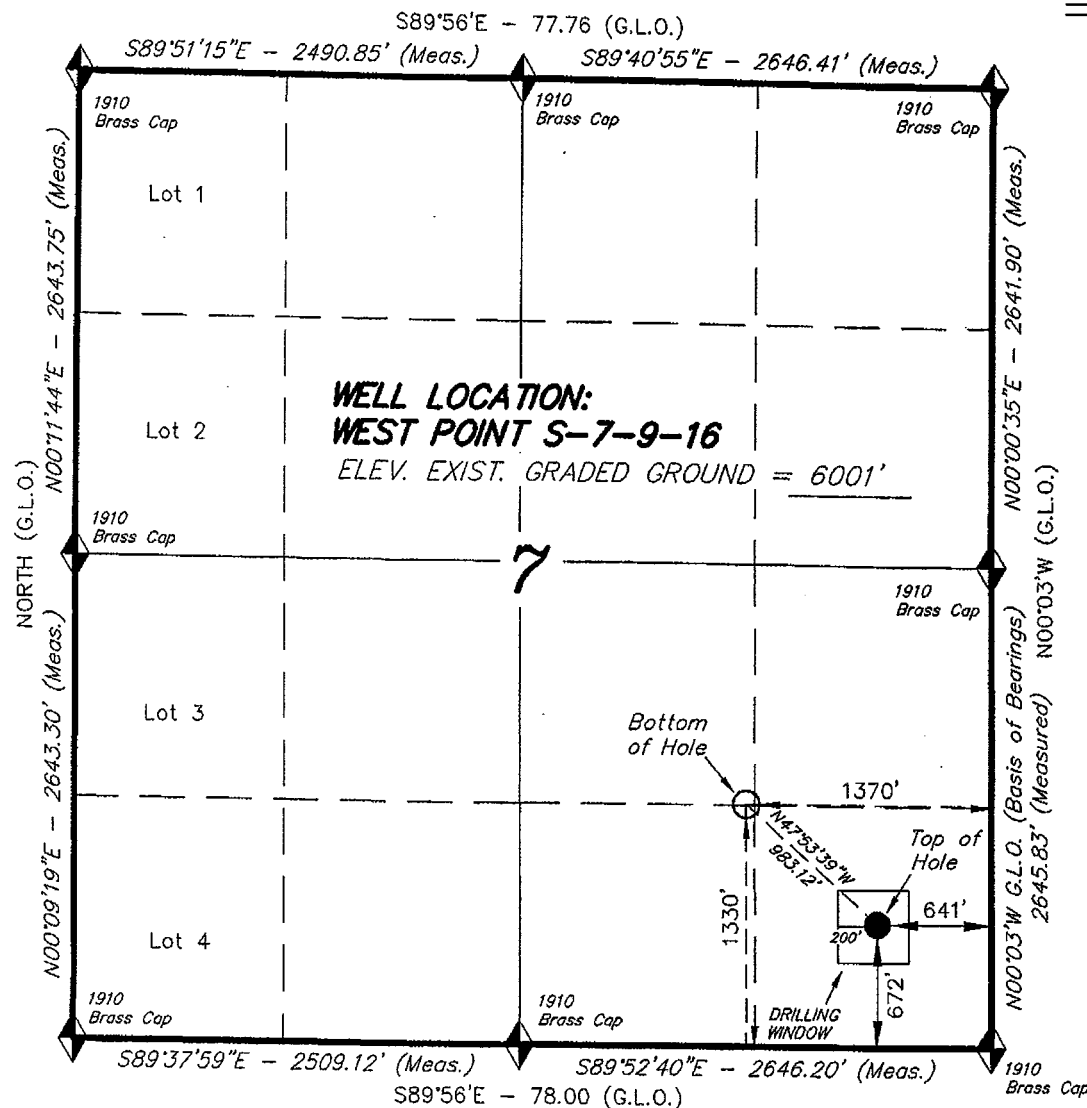
MAR 17 2008

DIV. OF OIL, GAS & MINING

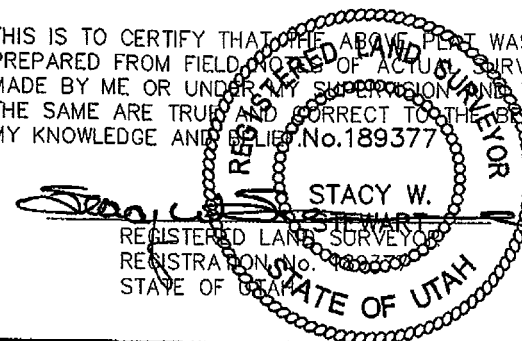
# T9S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WEST POINT S-7-9-16,  
LOCATED AS SHOWN IN THE SE 1/4 SE  
1/4 OF SECTION 7, T9S, R16E, S.L.B.&M.  
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

**WEST POINT S-7-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 24.06"  
LONGITUDE = 110° 09' 17.74"

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 12-19-07	SURVEYED BY: T.H.
DATE DRAWN: 12-26-07	DRAWN BY: F.T.M.
REVISED: 02-11-08 L.C.S.	SCALE: 1" = 1000'

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

March 25, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development West Point Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the West Point Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33927	West Point Fed S-7-9-16 Sec 7 T09S R16E 0672 FSL 0641 FEL	BHL Sec 7 T09S R16E 1330 FSL 1370 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - West Point Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:3-25-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 19, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

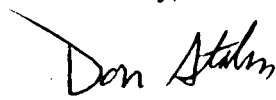
Re: West Point Federal S-7-9-16 Well, Surface Location 672' FSL, 641' FEL, SE SE, Sec. 7,  
T. 9 South, R. 16 East, Bottom Location 1330' FSL, 1370' FEL, NW SE, Sec. 7,  
T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33927.

Sincerely,

  
for Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office

**Operator:** Newfield Production Company  
**Well Name & Number** West Point Federal S-7-9-16  
**API Number:** 43-013-33927  
**Lease:** UTU-74390

**Surface Location:** SE SE      **Sec.** 7      **T.** 9 South      **R.** 16 East  
**Bottom Location:** NW SE      **Sec.** 7      **T.** 9 South      **R.** 16 East

### **Conditions of Approval**

#### **1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### **3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UD 06-17

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MAR 14 2008

BLM

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.	UTU-74390
6. If Indian, Allottee or Tribe Name	N/A
7. If Unit or CA Agreement, Name and No.	West Point Unit
8. Lease Name and Well No.	West Point Federal S-7-9-16
9. API Well No.	43 013 33927
10. Field and Pool, or Exploratory	Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area	Sec. 7, T9S R16E
12. County or Parish	Duchesne
13. State	UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone
2. Name of Operator Newfield Production Company
3a. Address Route #3 Box 3630, Myton UT 84052
3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SE 672' FSL 641' FEL At proposed prod. zone 1330' FSL 1370' FEL <b>SWSE</b>
14. Distance in miles and direction from nearest town or post office* Approximatley 15.1 miles southwest of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 3970' f/ise, 3970' f/unit
16. No. of Acres in lease 2037.19
17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1380'
19. Proposed Depth 6375'
20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6001' GL
22. Approximate date work will start* 2 nd Quarter 2008
23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 3/7/08
Title Regulatory Specialist		
Approved by (Signature) <i>Jerry Kucera</i>	Name (Printed/Typed) JERRY KUCERA	Date 6-4-2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

RECEIVED

JUN 06 2008

DIV. OF OIL, GAS & MINING

NO 1-8-08  
08PP0347A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** West Point Federal S-7-9-16  
**API No:** 43-013-33927

**Location:** SESE Sec 7, T9S, R16E  
**Lease No:** UTU-74390  
**Agreement:** West Point Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:		(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days



## **SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)**

### **General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

### **Specific Surface COAs**

#### Stipulations:

- No surface or occupancy is allowed (does not apply to casual use) within ½ mile of Golden Eagle nests which have been active within the past two years. This restriction would not apply to maintenance and operation of existing programs and facilities. It would not apply if impacts could be mitigated through other management actions or site specific analysis of terrain features.
- Protection of Golden Eagles nest sites as described in the Diamond Mountain Resource Management Plan and EIS. Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the Authorized Officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes (for guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820).
- There are two documented Golden Eagle nests 200 yards west of the proposed project area. The nests have been inactive within at least the past two consecutive years. With this occurrence there will be a **timing restriction for construction and drilling to minimize disturbance during Golden Eagle nesting from February 1- July 15.**

#### Lease Notices from RMP:

- The lessee/operator is given notice the area has been identified as containing Golden Eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and/or its habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- The lessee/operator is given notice the area has been identified as containing Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous Hawk and/or its habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

#### Comments:

- GIS data shows the project area is within Mountain Plover nesting habitat. Because the proposed location is going to be directional drilled from an existing location and no new disturbance will be required, Mountain Plover timing restrictions were not applied.
- During the onsite it was evident that scattered complexes of White-tailed prairie dog colonies (Burrowing Owl nesting habitat) were in the area. Because the proposed location is going to be directional drilled

from an existing location and no new disturbance will be required, Burrowing Owl timing restrictions were not applied.

- If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

**Follow-up Actions and/or Recommendations:**

**Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) should require additional surveys and clearances.**

**\*The Diamond Mountain Resource Management Plan has designated a No Surface Occupancy for Golden Eagles nesting. Because the proposed location will be directional drilled from an existing location, the No Surface Occupancy stipulation will not be applied to the project area. However, the Golden Eagle timing restriction will still apply to the proposed project area.**

**CONDITIONS OF APPROVAL:**

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- **No surface disturbance outside of APD proposal is authorized. If other disturbance is necessary, authorization will be proposed in a sundry notice (Form 3160-5) to BLM Authorized Officer. *Sclerocactus* spp. surveys may be required prior to new surface disturbing activities including pipelines (surface and buried).**
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.

- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, a detailed Interim and Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. If Reclamation Plan is acceptable, the AO will provide written approval or concurrence within 30 calendar days of receipt.

#### Interim Reclamation:

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

#### Final reclamation:

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.

- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the final seed mix bullet statement above.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- Logging: Run Gamma Ray from TD to surface

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) shall the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Shall the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: Newfield Production Company

Well Name: W Point Fed S-7-9-16

API No: 43-013-33927 Lease Type: Federal

Section 07 Township 09S Range 16E County Duchesne

Drilling Contractor Ross Rig Rig # 21

### **SPUDDED:**

Date 7-04-08

Time 10:00 AM

How Dry

***Drilling will Commence:*** \_\_\_\_\_

Reported by Alvin Nelson

Telephone # 435-823-7468

Date 7-07-08 Signed RM

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 8

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84062**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	16965	4304739421	FEDERAL 14-19-9-18	SESW	19	9S	18E	UINTAH	6/30/2008	7/15/08
WELL 1 COMMENTS: <i>GRRV</i>											
B	99999	12418	4301333927	WEST POINT FED S-7-9-16	SESE	7	9S	16E	DUCHESNE	7/7/2008	7/15/08
<i>GRRV</i> <span style="margin-left: 200px;"><i>BHL = NWSE</i></span>											
B	99999	12053	4304739970	HUMBACK FED T-23-8-17	SESE	23	8S	17E	UINTAH	7/2/2008	7/15/08
<i>GRRV</i> <span style="margin-left: 200px;"><i>BHL = NESE</i></span>											
B	99999	14844	4304736404	FEDERAL 2-13-9-17	NWNE	13	9S	17E	UINTAH	7/7/2008	7/15/08
<i>GRRV</i>											
A	99999	16966	4301333889	UTE TRIBAL 15-22-4-2	SWSE	22	4S	2W	DUCHESNE	7/7/2008	7/15/08
WELL 5 COMMENTS: <i>GRRV</i>											
B	99999	12053	4304739971	HUMBACK FED I-25-8-17	NWNE	25	8S	17E	UINTAH	7/8/2008	7/15/08
<i>GRRV</i> <span style="margin-left: 200px;"><i>BHL = SWNE</i></span>											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED  
JUL 10 2008  
DIV. OF OIL, GAS & MINING

*[Signature]*  
Signature  
Production Clerk  
Jentri Park  
07/10/08  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**DIV. OF OIL, GAS & MINING**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

672 FSL 641 FEL

SESE Section 7 T9S R16E

5. Lease Serial No.

USA UTU-74390

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

WEST POINT UNIT

8. Well Name and No.

WEST POINT FEDERAL S-7-9-16

9. API Well No.

4301333927

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 7/4/08 MIRU Ross # 21. Spud well @ 10:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.01 KB. On 7/5/08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Ryan Crum

Signature

Title

Drilling Foreman

Date

07/05/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 323.01

LAST CASING 8 5/8" SET AT 312.87'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL West Point S-7-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 21

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 46.43'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	311.16
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			313.01
TOTAL LENGTH OF STRING		311.16	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>323.01</b>

TOTAL	309.31	7	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	309.31	7	
TIMING	1ST STAGE		
BEGIN RUN CSG.	Spud	7/4/2008	10:00AM
CSG. IN HOLE		7/4/2008	10:00 PM
BEGIN CIRC		7/5/2008	8:07AM
BEGIN PUMP CMT		7/5/2008	8:16 AM
BEGIN DSPL. CMT		7/5/2008	8:32 AM
PLUG DOWN		7/5/2008	8:41 AM
GOOD CIRC THRU JOB		Yes	
Bbls CMT CIRC TO SURFACE		4	
RECIPROCATED PIPE FOR		N/A	
BUMPED PLUG TO		120	PSI

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third for 3			

COMPANY REPRESENTATIVE Ryan Crum DATE 7/5/2008

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

## 2. Name of Operator

NEWFIELD PRODUCTION COMPANY

## 3a. Address Route 3 Box 3630

Myton, UT 84052

## 3b. Phone (include area code)

435.646.3721

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

672 FSL 641 FEL

SESE Section 7 T9S R16E

## 5. Lease Serial No.

USA UTU-74390

## 6. If Indian, Allottee or Tribe Name.

## 7. If Unit or CA/Agreement, Name and/or

WEST POINT UNIT

## 8. Well Name and No.

WEST POINT FEDERAL S-7-9-16

## 9. API Well No.

4301333927

## 10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

## 11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	


13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 7/8/08 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 276'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,350' & a TVD of 6235. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 150 jt's of 5.5 J-55, 15.5# csgn. Set @ 6021' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 465 sks cement mixed @ 14.4 ppg & 1.24 yld. With 29 bbls cement returned to pit. Nipple down Bop's. Drop slips @85,000 #'s tension. Release rig 6:00 AM 7/15/08

**RECEIVED**  
**JUL 18 2008**  
DIV. OF OIL, GAS & MININGI hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

07/16/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by .....

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6301.71

Flt cllr @ 6259.87

LAST CASING 8 5/8" SET # 312.87

OPERATOR Newfield Production Company

DATUM 12' KB

WELL WPF S-7-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI # 2

TD DRILLER 6350' Loggers 6329'

TVD = 6235

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3769' (6.61)					
149	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6245.87
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.59
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6303.71
TOTAL LENGTH OF STRING		6303.71	150	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		333.23	8	CASING SET DEPTH			6301.71
TOTAL		6621.69	158	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6621.69	158				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		7/14/2008	8:30 PM	GOOD CIRC THRU JOB YES			
CSG. IN HOLE		7/15/2008	12:30 AM	Bbls CMT CIRC TO SURFACE 29			
BEGIN CIRC		7/15/2008	12:30 AM	RECIPROCATED PIPE FOR THRUSTROKE NA			
BEGIN PUMP CMT		7/15/2008	2:37 AM	DID BACK PRES. VALVE HOLD ? YES			
BEGIN DSPL. CMT		7/15/2008	3:36 AM	BUMPED PLUG TO 2885 PSI			
PLUG DOWN		7/15/2008	4:08 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.49 cf/sk yield					
2	465	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Alvin Nielsen

DATE 7/15/2008

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74390	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: WEST POINT UNIT	
3. ADDRESS OF OPERATOR:		8. WELL NAME and NUMBER: WEST POINT FEDERAL S-7-9-16	
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		9. API NUMBER: 4301333927	
4. LOCATION OF WELL:		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE	
FOOTAGES AT SURFACE: 672 FSL 641 FEL		COUNTY: DUCHESNE	
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 7, T9S, R16E		STATE: UT	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 08/29/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 08-07-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE DATE 08/29/2008

(This space for State use only)

RECEIVED

SEP 02 2008

DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

W POINT S-7-9-16

6/1/2008 To 10/30/2008

7/24/2008 Day: 1

Completion

Rigless on 7/23/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6213' & cement top @ 20'. Perforate stage #1. CP2 sds @ 5834- 44', CP1 sds @ 5802- 5812' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 80 shots. 149 BWTR. SIFN.

7/31/2008 Day: 2

Completion

Rigless on 7/30/2008 - Stage #1 CP1 & CP2 sds. RU BJ Services. 0 psi on well. Frac CP1 & CP2 sds w/ 34,753#'s of 20/40 sand in 493 bbls of Lightning 17 fluid. Broke @ 1131 psi. Treated w/ ave pressure of 1682 psi w/ ave rate of 23.2 BPM. ISIP 1995 psi. Leave pressure on well. 642 BWTR. Stage #2 LODC sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 34' perf gun. Set plug @ 5600'. Perforate LODC sds @ 5482-5516' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 136 shots. RU BJ Services. 1279 psi on well. Frac LODC sds w/ 151,032#'s of 20/40 sand in 1075 bbls of Lightning 17 fluid. Broke @ 3561 psi. Treated w/ ave pressure of 2133 psi w/ ave rate of 23.4 BPM. ISIP 2650 psi. Leave pressure on well. 1717 BWTR. Stage #2 LODC sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 34' perf gun. Set plug @ 5600'. Perforate LODC sds @ 5482-5516' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots.

8/1/2008 Day: 3

Completion

Rigless on 7/31/2008 - Stage #3 A.5 sds. RU BJ Services. 1536 psi on well. Perfs would not break. Attempt to dump bail acid on perfs. Tagged sand @ 5170'. RU BJ Services. 1390 psi on well. Frac A.5 sds w/ 70,799#'s of 20/40 sand in 624 bbls of Lightning 17 fluid. Broke @ 3587 psi. Treated w/ ave pressure of 2040 psi w/ ave rate of 23.2 BPM. ISIP 2662 psi. Leave pressure on well. 2341 BWTR. Stage #4 D1 sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4990'. Perforate D1 sds @ 4880-90' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 40 shots. RU BJ Services. 2211 psi on well. Frac D1 sds w/ 49,694#'s of 20/40 sand in 476 bbls of Lightning 17 fluid. Broke @ 3913 psi. Treated w/ ave pressure of 1666 psi w/ ave rate of 23.2 BPM. ISIP 1962 psi. Leave pressure on well. 2817 BWTR. Stage #5 PB10 sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4710'. Perforate PB10 sds @ 4608-18' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 40 shots. RU BJ Services. 1678 psi on well. Frac PB10 sds w/ 40,228#'s of 20/40 sand in 425 bbls of Lightning 17 fluid. Broke @ 4122 psi. Treated w/ ave pressure of 1970 psi w/ ave rate of 23.2 BPM. ISIP 2125 psi. Leave pressure on well. 3242 BWTR. Stage #6 GB4 & GB6 sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 2- 8' perf guns. Set plug @ 4480'. Perforate GB4 sds @ 4350-58' & GB6 sds @ 4372-80' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 64 shots. RU BJ Services. 1746 psi on well. Frac GB4 & GB6 sds w/ 52,889#'s of



20/40 sand in 442 bbls of Lightning 17 fluid. Broke @ 2721 psi. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.2 BPM. ISIP 2193 psi. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 3.5 hrs. & turned to oil. Recovered 525 bbls. SWIFN.

8/2/2008 Day: 4

Completion

Rigless on 8/1/2008 - RU The Perforator, llc. Set Weatherford 5 1/2" composite kill plug @ 4325'. Bleed off pressure. SWIFN.

8/5/2008 Day: 5

Completion

Western #1 on 8/4/2008 - SIRU Western #1. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting tbg.). Tag CBP @ 4325'. RU powerswivel & pump. DU CBP in 31 min. Cont. RIH w/ tbg. Tag CBP @ 4480'. DU CBP in 43 min. Cont. RIH w/ tbg. Tag fill @ 4617'. C/O to CBP @ 4710'. DU CBP in 35 min. Circulate well clean. SWIFN.

8/6/2008 Day: 6

Completion

Western #1 on 8/5/2008 - Bleed off well. Cont. RIH w/ tbg. Tag fill @ 4860'. C/O to CBP @ 4990'. DU CBP in 70 min. Cont. RIH w/ tbg. Tag fill @ 5278'. C/O to CBP @ 5380'. DU CBP in 47 min. Cont. RIH w/ tbg. Tag CBP @ 5600'. DU CBP in 39 min. Cont. RIH w/ tbg. Tag 6125'. C/O to PBDT @ 6258'. Circulate well clean. Pull up to 6195'. SWIFN.

8/7/2008 Day: 7

Completion

Western #1 on 8/6/2008 - Bleed off well. Well flowed back 128 bbls w/ a trace of oil. RU pump. Kill well w/ 100 bbls water. POOH w/ 72 jts 2 7/8" tbg. Well started flowing. RU pump to tbg. Could not kill well. RIH w/ tbg. to 5905'. SWIFN.

8/8/2008 Day: 8

Completion

Western #1 on 8/7/2008 - Bleed off well. Circulate well w/ 210 bbls water. Well would not die. Circulate well w/ 200 bbl 10# brine. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 185 jts 2 7/8" tbg. ND BOP. Set TAC @ 5823' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC rod pump, 1- 21K shear coupling, 4- 1 1/2" weight bars, 230- 7/8" guided rods, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 7:00 p.m. 122" stroke, 4.5 bpm. Final Report.

Pertinent Files: Go to File List

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.\*)

At Surface 672' FSL &amp; 641' FEL (SE/SE) Sec. 7, T9S, R16E

At total depth 1330' FSL &amp; 1370' FEL (SE/SE) Sec. 7, T9S, R16E

At total depth 1399 FSL 1477 FEL  
SWSE S-2 T9S R16E

## 14. API NO.

43-013-33927

## DATE ISSUED

05/19/08

## 12. COUNTY OR PARISH

Duchesne

## 13. STATE

UT

## 15. DATE SPUNDED

07-04-08

## 16. DATE T.D. REACHED

07-14-08

## 17. DATE COMPL. (Ready to prod.)

08-07-08

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

6001' GL

## 19. ELEV. CASINGHEAD

6013' KB

## 20. TOTAL DEPTH, MD &amp; TVD

6336-TVD  
6350'-MD

## 21. PLUG BACK T.D., MD &amp; TVD

6145-PBTD  
6258'-MD

## 22. IF MULTIPLE COMPL.,

HOW MANY\*

## 23. INTERVALS

DRILLED BY

-----&gt;

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4350'-5844'

## 25. WAS DIRECTIONAL

SURVEY MADE

Yes

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

## 27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6302'	7-7/8"	300 sx Premlite II and 465 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5922'	TA @ 5824'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP2 & 1) 5834'-44', 5802'-5812'	.49"	4/80	5802'-5844'	Frac w/ 34,753# 20/40 sand in 493 bbls fluid
(LODC) 5482'-5516'	.39"	4/136	5482'-5516'	Frac w 151,032# 20/40 sand in 1075 bbls fluid
(A.5) 5280'-5294'	.39"	4/56	5280'-5294'	Frac w/ 70,799# 20/40 sand in 624 bbls fluid
(D1) 4880'-90'	.39"	4/40	4880'-4890'	Frac w/ 49,694# 20/40 sand in 476 bbls fluid
(PB10) 4608'-4618'	.39"	4/40	4608'-4618'	Frac w/ 40,228# 20/40 sand in 425 bbls fluid
(GB4 & 6) 4350'-58', 4372'-80'	.39"	4/64	4350'-4380'	Frac w 52,889# 20/40 sand in 442 bbls fluid

## 33.\* PRODUCTION

DATE FIRST PRODUCTION 08-07-08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-3/4" x 16' x 20' RHAC rod pump - CDI					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 30 day ave		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 26	GAS--MCF. 0	WATER--BBL. 35	GAS-OIL RATIO 0
FLOW, TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)  RECEIVED	

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for Fuel

## TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Tech

DATE

9/16/2008

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

SEP 23 2008

DIV. OF OIL, GAS &amp; MINING

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);	38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	<div>NAME</div> <div>MEAS. DEPTH</div> <div>TOP</div> <div>TRUE VERT. DEPTH</div>
			<div>Well Name</div> <div>West Point Federal S-7-9-16</div>	<div>Garden Gulch Mkr</div> <div>Garden Gulch 1</div> <div>Garden Gulch 2</div> <div>Point 3 Mkr</div> <div>X Mkr</div> <div>Y-Mkr</div> <div>Douglas Creek Mkr</div> <div>BiCarbonate Mkr</div> <div>B Limestone Mkr</div> <div>Castle Peak</div> <div>Basal Carbonate</div> <div>Total Depth (LOGGERS)</div> <div>3840'</div> <div>4049'</div> <div>4160'</div> <div>4419'</div> <div>4696'</div> <div>4729'</div> <div>4846'</div> <div>5089'</div> <div>5144'</div> <div>5756'</div> <div>6196'</div> <div>6329'</div>



**Scientific  
Drilling**

## Directional Survey Certification

7327 West Barton Road  
Casper, WY 82604  
(307)-472-6621 Fax (307) 472-5439

<b>Operator</b>	<u>Newfield Exploration Co.</u>
<b>Well Name &amp; No.</b>	<u>West Point S-7-9-16</u>
<b>County &amp; State</b>	<u>Duchesne County, UT</u>
<b>SDI Job No.</b>	<u>42DEF0807568</u>
<b>Rig</b>	<u>NDSI 2</u>

I, Julie Cruse, having personal knowledge of all the facts, hereby  
certify that the attached directional survey run from a measured depth of 386 feet to a  
measured depth of 6350 feet is true and correct as determined from all available records.

Julie Cruse  
Signature

16-Jul-08  
Date

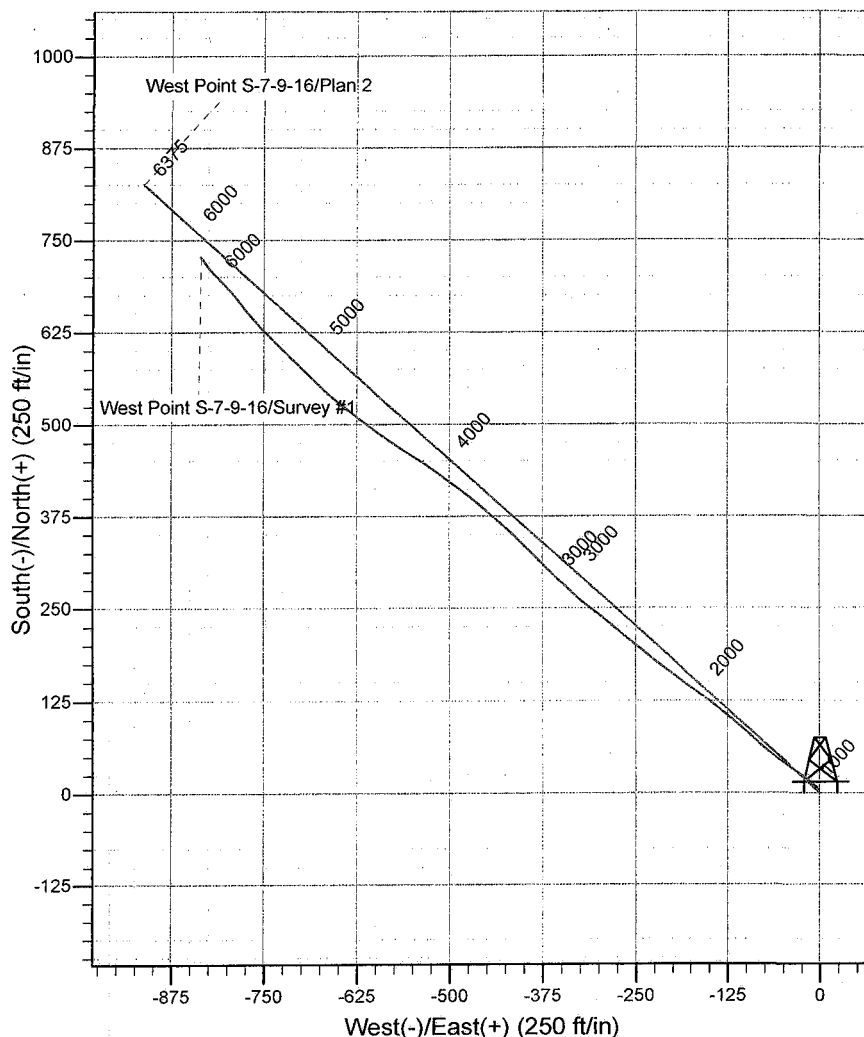
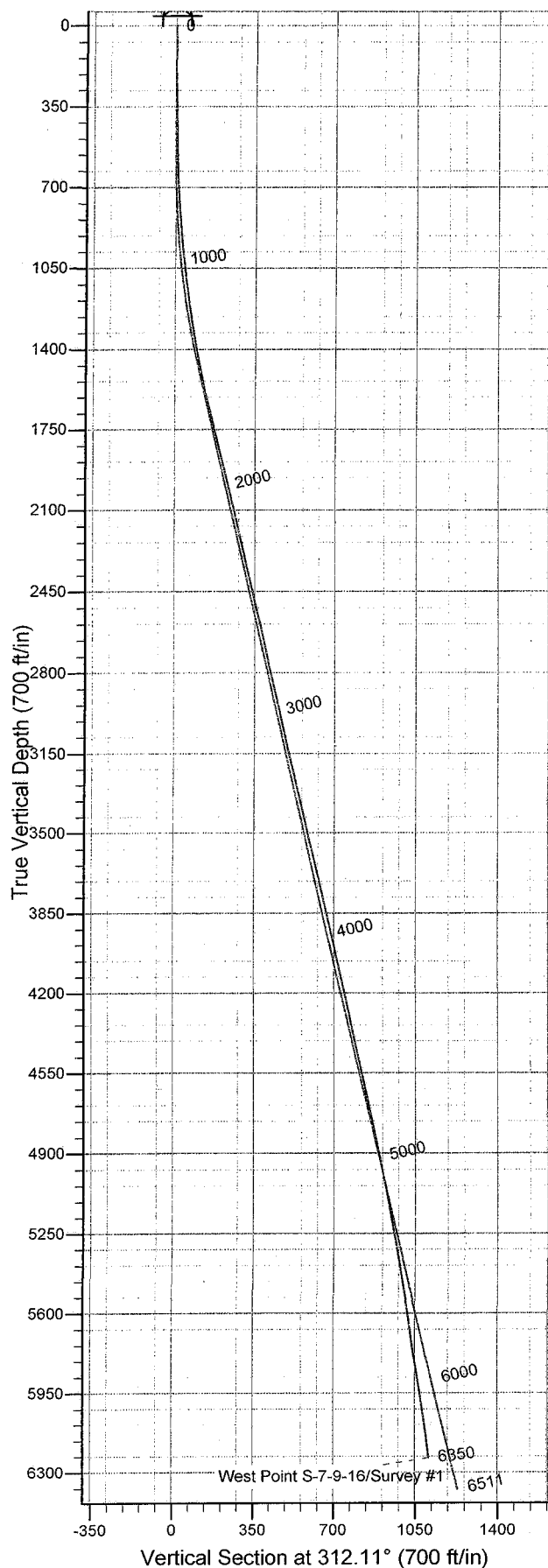
**Julie Cruse**  
Rockies Region Engineer  
Scientific Drilling - Rocky Mountain District



Scientific Drilling  
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC  
Site: West Point  
Well: West Point S-7-9-16  
Wellbore: OH  
Design: OH

Newfield Exploration Co.



WELL DETAILS: West Point S-7-9-16

Ground Level: GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.00 0.00 7186145.72 2016990.22 40° 2' 24.060 N 110° 9' 17.740 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well West Point S-7-9-16, True North  
Vertical (TVD) Reference: GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
Calculation Method: Minimum Curvature  
Local North: True  
Location:

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

Survey: Survey #1 (West Point S-7-9-16/OH)

Created By: Julie Cruse Date: 2008-07-16

# **Newfield Exploration Co.**

Duchesne County, UT NAD83 UTC

West Point

West Point S-7-9-16

OH

Survey: Survey #1

## **Standard Survey Report**

16 July, 2008

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
**Well:** West Point S-7-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well West Point S-7-9-16  
**TVD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**MD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

**Project** Duchesne County, UT NAD83 UTC

**Map System:** US State Plane 1983  
**Geo Datum:** North American Datum 1983  
**Map Zone:** Utah Central Zone

**System Datum:** Mean Sea Level

**Site** West Point,

**Site Position:** Northing: 7,195,374.57 ft Latitude: 40° 3' 55.470 N  
**From:** Lat/Long Easting: 2,015,574.76 ft Longitude: 110° 9' 34.160 W  
**Position Uncertainty:** 0.00 ft Slot Radius: in Grid Convergence: 0.86 °

**Well** West Point S-7-9-16, 672' FSL 641' FEL Sec 7 T9S R16E

**Well Position** +N/-S 0.00 ft Northing: 7,186,145.72 ft Latitude: 40° 2' 24.060 N  
 +E/-W 0.00 ft Easting: 2,016,990.22 ft Longitude: 110° 9' 17.740 W  
**Position Uncertainty** 0.00 ft Wellhead Elevation: ft Ground Level: 6,001.00 ft

**Wellbore** OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008/07/07	11.71	65.85	52,566

**Design** OH

**Audit Notes:**

**Version:** 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	312.11

**Survey Program** Date 2008/07/16

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
386.00	6,350.00	Survey #1 (OH)	MWD	MWD - Standard

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
386.00	1.04	330.81	385.98	3.06	-1.71	3.32	0.27	0.27	0.00
417.00	0.98	3.75	416.97	3.57	-1.83	3.75	1.86	-0.19	106.26
447.00	0.84	6.66	446.97	4.04	-1.79	4.04	0.49	-0.47	9.70
478.00	1.38	334.51	477.96	4.61	-1.92	4.51	2.59	1.74	-103.71
509.00	0.86	322.08	508.96	5.13	-2.22	5.09	1.84	-1.68	-40.10
539.00	1.31	333.15	538.95	5.61	-2.52	5.63	1.65	1.50	36.90
570.00	1.87	323.66	569.94	6.33	-2.98	6.46	1.99	1.81	-30.61
601.00	2.25	321.24	600.92	7.22	-3.66	7.55	1.26	1.23	-7.81
631.00	2.10	317.93	630.90	8.08	-4.39	8.68	0.65	-0.50	-11.03
662.00	2.34	313.81	661.88	8.94	-5.23	9.88	0.93	0.77	-13.29
693.00	2.94	303.45	692.84	9.82	-6.35	11.30	2.47	1.94	-33.42
724.00	3.18	312.43	723.80	10.84	-7.65	12.94	1.73	0.77	28.97

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
**Well:** West Point S-7-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well West Point S-7-9-16  
**TVD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**MD Reference:** GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
754.00	3.54	312.47	753.75	12.02	-8.95	14.70	1.20	1.20	0.13
785.00	4.05	303.55	784.68	13.27	-10.57	16.74	2.51	1.65	-28.77
816.00	4.54	308.17	815.59	14.64	-12.44	19.05	1.93	1.58	14.90
846.00	4.71	303.37	845.50	16.05	-14.40	21.45	1.41	0.57	-16.00
877.00	4.69	309.06	876.39	17.55	-16.45	23.97	1.50	-0.06	18.35
908.00	5.13	311.14	907.28	19.26	-18.48	26.62	1.53	1.42	6.71
940.00	5.96	307.51	939.13	21.21	-20.87	29.71	2.81	2.59	-11.34
971.00	6.38	305.03	969.95	23.18	-23.56	33.02	1.60	1.35	-8.00
1,003.00	6.15	305.30	1,001.76	25.19	-26.42	36.49	0.72	-0.72	0.84
1,035.00	6.71	306.24	1,033.56	27.29	-29.32	40.05	1.78	1.75	2.94
1,066.00	6.99	300.89	1,064.33	29.33	-32.40	43.70	2.25	0.90	-17.26
1,098.00	7.23	305.49	1,096.09	31.49	-35.71	47.61	1.93	0.75	14.37
1,130.00	7.65	300.94	1,127.82	33.76	-39.18	51.70	2.26	1.31	-14.22
1,162.00	8.13	305.10	1,159.52	36.15	-42.86	56.04	2.33	1.50	13.00
1,193.00	8.02	307.15	1,190.21	38.72	-46.38	60.37	0.99	-0.35	6.61
1,225.00	8.80	308.34	1,221.87	41.59	-50.07	65.04	2.50	2.44	3.72
1,257.00	8.98	306.08	1,253.48	44.58	-54.01	69.96	1.23	0.56	-7.06
1,289.00	9.00	306.30	1,285.09	47.53	-58.05	74.93	0.12	0.06	0.69
1,320.00	9.40	306.82	1,315.69	50.48	-62.03	79.87	1.32	1.29	1.68
1,352.00	9.52	309.06	1,347.25	53.72	-66.18	85.11	1.21	0.37	7.00
1,384.00	10.45	309.49	1,378.77	57.23	-70.47	90.65	2.92	2.91	1.34
1,415.00	10.87	309.66	1,409.23	60.88	-74.89	96.38	1.36	1.35	0.55
1,447.00	11.08	312.11	1,440.65	64.87	-79.49	102.47	1.60	0.66	7.66
1,479.00	11.22	311.88	1,472.04	69.01	-84.09	108.66	0.46	0.44	-0.72
1,511.00	11.75	311.88	1,503.40	73.26	-88.84	115.03	1.66	1.66	0.00
1,542.00	11.89	310.88	1,533.75	77.46	-93.60	121.38	0.80	0.45	-3.23
1,574.00	12.47	312.93	1,565.03	81.97	-98.62	128.13	2.26	1.81	6.41
1,669.00	14.11	310.64	1,657.48	96.50	-114.92	149.96	1.81	1.73	-2.41
1,764.00	14.33	309.27	1,749.57	111.48	-132.81	173.28	0.42	0.23	-1.44
1,859.00	13.69	306.29	1,841.74	125.58	-150.97	196.21	1.01	-0.67	-3.14
1,955.00	14.27	306.54	1,934.90	139.35	-169.64	219.29	0.61	0.60	0.26
2,050.00	13.81	305.37	2,027.06	152.88	-188.29	242.20	0.57	-0.48	-1.23
2,145.00	12.98	305.41	2,119.48	165.63	-206.23	264.06	0.87	-0.87	0.04
2,240.00	12.74	307.47	2,212.09	178.18	-223.24	285.09	0.54	-0.25	2.17
2,335.00	13.05	311.11	2,304.70	191.61	-239.64	306.26	0.92	0.33	3.83
2,430.00	13.25	308.31	2,397.21	205.41	-256.26	327.85	0.70	0.21	-2.95
2,526.00	13.96	310.87	2,490.52	219.81	-273.65	350.40	0.97	0.74	2.67
2,621.00	13.06	308.91	2,582.89	234.05	-290.67	372.57	1.06	-0.95	-2.06
2,716.00	12.11	306.99	2,675.60	246.78	-306.98	393.22	1.09	-1.00	-2.02
2,811.00	12.92	310.86	2,768.35	259.73	-322.97	413.76	1.23	0.85	4.07
2,906.00	13.13	314.63	2,860.90	274.26	-338.68	435.16	0.92	0.22	3.97
3,001.00	12.11	311.42	2,953.61	288.43	-353.84	455.90	1.30	-1.07	-3.38
3,097.00	13.28	317.53	3,047.27	303.23	-368.83	476.95	1.85	1.22	6.36
3,192.00	13.85	316.67	3,139.61	319.55	-384.00	499.15	0.64	0.60	-0.91
3,287.00	12.59	313.54	3,232.10	334.95	-399.31	520.84	1.52	-1.33	-3.29
3,382.00	13.79	314.93	3,324.59	350.08	-414.83	542.50	1.31	1.26	1.46
3,477.00	13.18	311.58	3,416.97	365.26	-430.95	564.63	1.04	-0.64	-3.53
3,573.00	13.37	311.17	3,510.41	379.83	-447.49	586.68	0.22	0.20	-0.43
3,668.00	13.85	310.14	3,602.74	394.40	-464.45	609.02	0.57	0.51	-1.08
3,763.00	13.38	305.39	3,695.07	408.09	-482.11	631.30	1.28	-0.49	-5.00
3,858.00	13.06	307.94	3,787.55	421.06	-499.53	652.93	0.70	-0.34	2.68
3,953.00	12.89	305.93	3,880.13	433.87	-516.58	674.17	0.51	-0.18	-2.12
4,048.00	12.67	303.44	3,972.78	445.83	-533.85	695.00	0.62	-0.23	-2.62
4,143.00	13.00	303.24	4,065.40	457.43	-551.48	715.86	0.35	0.35	-0.21



# Scientific Drilling

## Survey Report

Company: Newfield Exploration Co.  
 Project: Duchesne County, UT NAD83 UTC  
 Site: West Point  
 Well: West Point S-7-9-16  
 Wellbore: OH  
 Design: OH

Local Co-ordinate Reference: Well West Point S-7-9-16  
 TVD Reference: GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
 MD Reference: GL 6001' & RKB 12' @ 6013.00ft (NDSI 2)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.16 Multi-User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,239.00	12.92	303.49	4,158.96	469.27	-569.47	737.14	0.10	-0.08	0.26
4,334.00	11.46	306.30	4,251.81	480.72	-585.93	757.03	1.66	-1.54	2.96
4,429.00	12.19	305.83	4,344.80	492.18	-601.67	776.39	0.78	0.77	-0.49
4,524.00	12.11	308.98	4,437.67	504.32	-617.55	796.31	0.70	-0.08	3.32
4,619.00	12.60	309.30	4,530.47	517.15	-633.31	816.61	0.52	0.52	0.34
4,714.00	11.95	307.88	4,623.30	529.75	-649.09	836.76	0.75	-0.68	-1.49
4,809.00	11.64	311.67	4,716.29	542.16	-664.01	856.16	0.88	-0.33	3.99
4,904.00	11.60	314.18	4,809.35	555.19	-678.02	875.28	0.53	-0.04	2.64
5,000.00	11.53	314.62	4,903.40	568.66	-691.77	894.52	0.12	-0.07	0.46
5,095.00	10.97	314.27	4,996.57	581.64	-705.00	913.03	0.59	-0.59	-0.37
5,190.00	10.74	314.80	5,089.87	594.18	-717.76	930.91	0.26	-0.24	0.56
5,285.00	10.41	313.68	5,183.26	606.35	-730.25	948.33	0.41	-0.35	-1.18
5,380.00	9.91	315.53	5,276.77	618.11	-742.18	965.07	0.63	-0.53	1.95
5,476.00	9.24	317.60	5,371.43	629.70	-753.16	980.99	0.78	-0.70	2.16
5,571.00	9.31	318.57	5,465.19	641.09	-763.39	996.22	0.18	0.07	1.02
5,666.00	9.13	320.41	5,558.96	652.66	-773.28	1,011.31	0.36	-0.19	1.94
5,761.00	7.75	323.98	5,652.93	663.65	-781.85	1,025.04	1.55	-1.45	3.76
5,856.00	8.09	320.03	5,747.03	673.95	-789.91	1,037.93	0.68	0.36	-4.16
5,951.00	9.55	316.57	5,840.90	684.80	-799.62	1,052.40	1.63	1.54	-3.64
6,046.00	8.41	316.39	5,934.73	695.55	-809.83	1,067.19	1.20	-1.20	-0.19
6,142.00	8.41	316.69	6,029.70	705.74	-819.49	1,081.19	0.05	0.00	0.31
6,237.00	7.69	325.29	6,123.77	716.02	-827.88	1,094.30	1.47	-0.76	9.05
6,300.00	6.65	322.54	6,186.28	722.39	-832.50	1,101.99	1.74	-1.65	-4.37
6,350.00	6.65	322.54	6,235.94	726.98	-836.02	1,107.69	0.00	0.00	0.00

### Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
WP S-7-9-17 Target	0.00	0.00	5,300.00	659.24	-729.34	7,186,793.91	2,016,251.06	40° 2' 30.575 N	110° 9' 27.118 W
- survey misses target center by 41.23ft at 5406.40ft MD (5302.78 TVD, 621.34 N, -745.32 E)									
- Circle (radius 75.00)									
WP S-7-9-17 PBHL	0.00	0.00	6,375.00	659.24	-729.34	7,186,793.91	2,016,251.06	40° 2' 30.575 N	110° 9' 27.118 W
- survey misses target center by 187.90ft at 6350.00ft MD (6235.94 TVD, 726.98 N, -836.02 E)									
- Circle (radius 75.00)									

### Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
386.00	385.98	3.06	-1.71	First MWD Survey
6,350.00	6,235.94	726.98	-836.02	Projection to TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_